Plankton of Southwestern Queen Charlotte Strait Shallow Nearshore Habitats:

I Commercial *Nereocystis leutkeana* habitats

by

E. A. Black and S. C. Norton

Province of British Columbia
Ministry of Environment
Fisheries Branch

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INTRODUCTION

This is the first of three data reports in which are compiled the plankton data collected by the British Columbia Ministry of Environment's Kelp-Fish Interaction Program. These data were collected during 1980 and 1981 from eight shallow (less than 10 m) nearshore sites in the southwestern Queen Charlotte Strait area. Data from these sites are separated into three reports each describing the plankton in one of the following habitat types; commercial _Nereocystis leutkeana_ (Mertens) Postells and Ruprecht, commercial _Macrocystis integrifolia_ Bory or non-kelp habitats. Herein are data from the commercial _Nereocystis leutkeana_ sites.

Figure 1 illustrates the locations of sites used in this study, the commercial _Nereocystis_ sites are labelled Graeme Point, _Nereocystis_ site C and _Nereocystis_ site H. Commercial _Macrocystis_ habitats are labelled Deer Island and Airport _Macrocystis_, and the non-kelp habitat sites are named Bear Cove, Beaver Harbour and North Airport.

METHODS

The plankton net used to collect samples had a mouth diameter of 55 cm and a mesh size of 500 microns (Figure 2). This net was towed from the bow of a small boat moving in reverse. Surface and bottom tows were made at all sites, as well as landward, within and seaward of any kelp bed present. A 30 m tow rope was used for surface tows. The net was towed just beneath the surface such that the front of the net caused a surface wake. For bottom tows, the length of tow line varied being just long enough for the tow line to jerk gently as the tow skimmed the bottom. A 6.8 kg lead cannonball weight at the end of a 30 cm line secured to the apex of the towing harness prevented the net from dredging the bottom yet held the net close to the substrate.

Standardization of towing effort was not possible as a variety of towing boats were employed; however all 1980 tows were conducted for five minutes with a boat towing at idle. Towing was standardized in 1981 as follows. Tows were done from a single vessel with the tow conducted using a 30 m tow rope and with the boat's engine in reverse and running at 1000 rpm. The duration of tows was five minutes. When removed from the water the net was rinsed from the outside with filtered seawater to wash organisms adhering to the net into the collection bucket. The collection bucket was rinsed into the sample jar with filtered seawater. Due to mechanical failure on May 23, 1981, the engine in the tow boat was changed from a 70 hp. to a 50 hp. engine and this engine was used for the rest of the season.

Figure 1. Location of plankton tow sampling sites. The codes noted on the map are used in the body of the report to show the location at which each sample was taken.

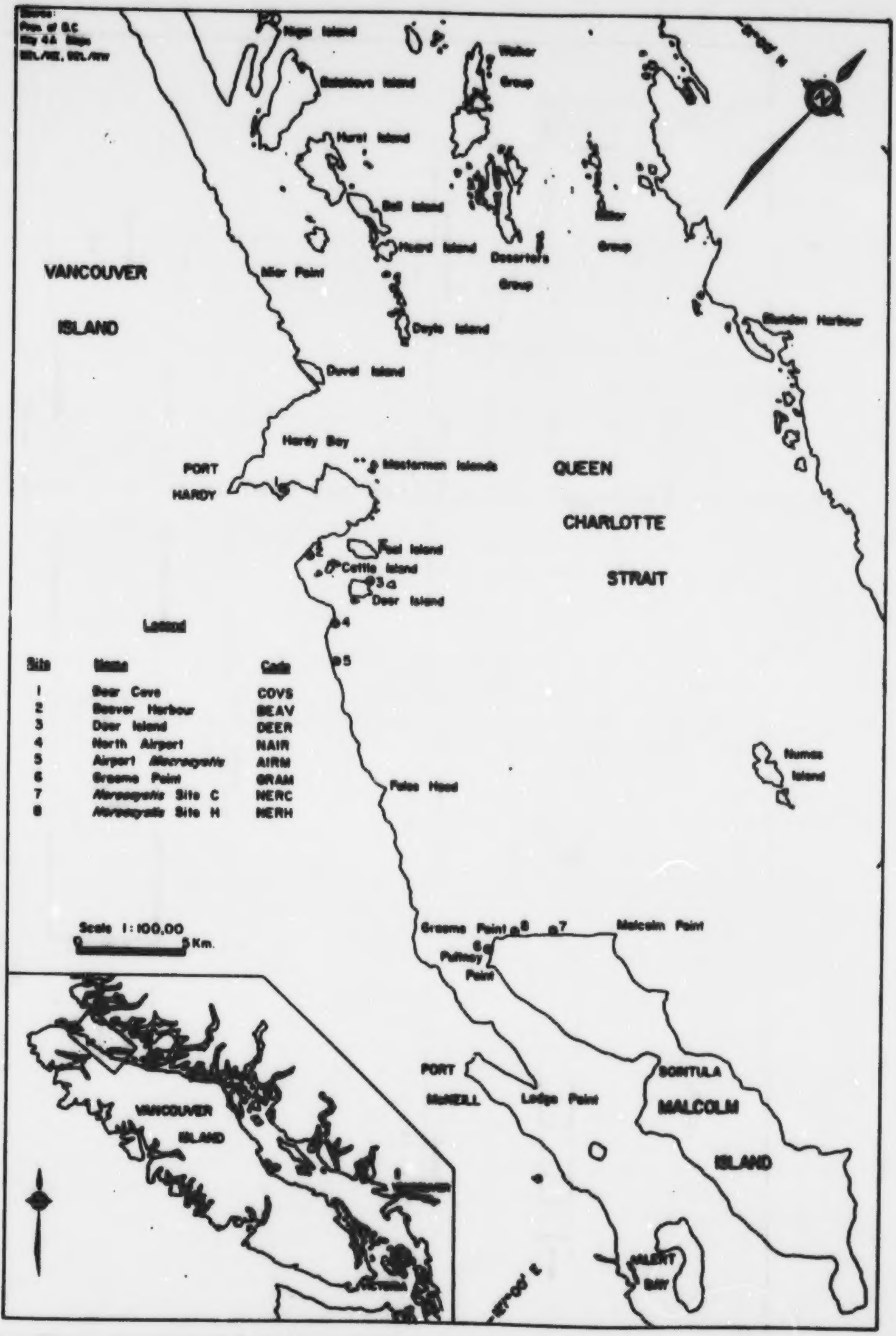
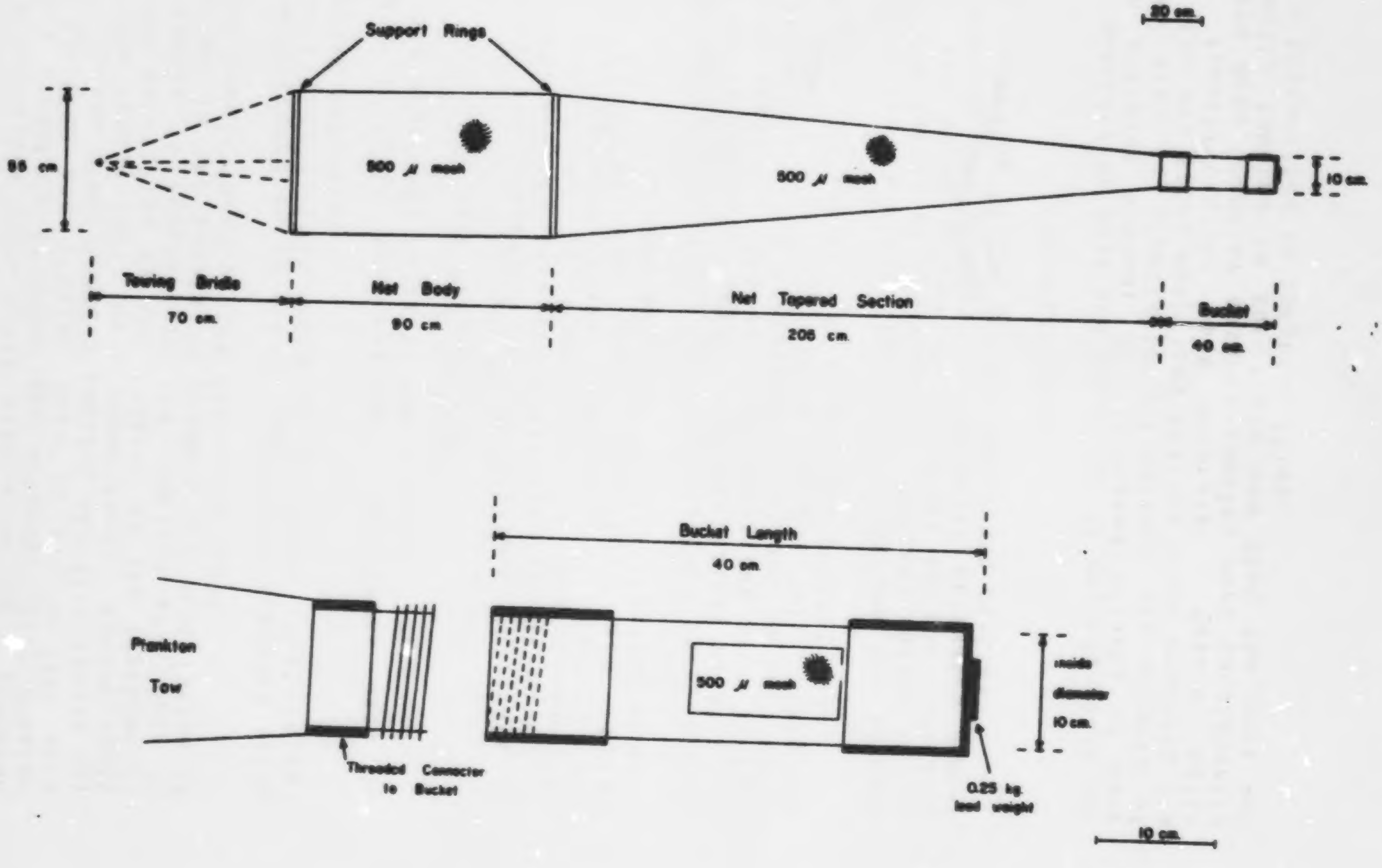

Source:
Prov. of B.C.
Nigei Island
Balaklava Island
Hurst Island
Bell Island
Heard Island
Walker Group
Deserters Group
Millar Group
Doyle Island
Duval Island
Blunden Harbour
VANCOUVER ISLAND
Hardy Bay
PORT HARDY
Masterman Islands
QUEEN CHARLOTTE STRAIT
Peel Island
Cattle Island
Deer Island
Legend
Site
Name
Code
1 Bear Cove COVS
2 Beaver Harbour BEAV
3 Deer Island DEER
4 North Airport NAIR
5 Airport Macrocystis AIRM
6 Graeme Point GRAM
7 Nereocystis Site C NERC
8 Nereocystis Site H NERH
Numas Island
False Head
Scale 1:100,00
0
5 Km.
Graeme Point
Malcolm Point
Pulteney Point
PORT McNEILL
Ledge Point
SOINTULA
MALCOLM ISLAND
ALERT BAY
VANCOUVER ISLAND
VICTORIA
VANCOUVER

Figure 2. Diagram of the plankton net used to collect samples


Support Rings
20 cm.
95 cm
500 μ mesh
500 μ mesh
10 cm.
Towing Bridle
70 cm.
Net Body
90 cm
Net Tapered Section
205 cm.
Bucket
40 cm.
Bucket Length
40 cm.
Plankton
Tow
500 μ mesh
inside
diameter
10 cm.
Threaded Connector
to Bucket
0.25 kg.
lead weight
10 cm.

Samples collected were split with a Folsom's plankton sampler and a subsample of organisms volumetrically greater than 5 ml in 1980 and greater than 10 ml in 1981 were identified. In addition, large plankters and fish larvae not sampled in the random split were enumerated. Random split data was then multiplied by the inverse of the fraction of the total sample it represented and combined with data on large organisms in the sample to produce the description of each plankton sample found on the following pages.

Data were stored on an I.B.M. model 3081 computer using the SAS Institute's 1979 edition of their Statistical Analysis System software.

Appendix I lists the taxonomic references used to identified the organisms found in the plankton tows.

DATA PRESENTATION

The data are presented in two sections. Appendix II lists alphabetically by taxa and final identification all of the organisms found by tows made in the commercial *Nereocystis leutkeana* habitats. Appendix III contains the data from each of the tows. The tows are listed alphabetically by site name and then in chronological order.

Each tow is identified by its location, year, month, day, position in the water column, and horizontal relation to any kelp bed present. The vertical positions were surface (S) and bottom (B). The horizontal relations to kelp were: along the landward edge (L); within the bed (W); along the seaward edge of the bed (S); or no bed was present (N).

The data for each taxa found in a tow are the percent volume and the number of individuals. Percent volume is the portion of the total volume of organisms by the indicated taxa. Number of individuals is the total estimated number arrived at according to the process mentioned earlier.

ACKNOWLEDGEMENTS

This quantity of data and precision of records could not have been achieved without the dedicated efforts of many people. We wish to especially acknowledge the efforts of Dr. C. J. Low who spent many long tedious hours ensuring his taxonomic identifications were accurate. Messrs. Keith Trueman and Ross Chandler ensured samples were consistently and correctly labeled in the field and that the data was faithfully transcribed to computer files.

APPENDIX I

Taxonomic References

Samples collected were taken with a [illegible] sampler and a programme of [illegible] [illegible] that [illegible] [illegible] invertebrates, [illegible] and that [illegible] sampled in the [illegible] [illegible] [illegible] [illegible] of the [illegible] [illegible].

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible]

[illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

ACKNOWLEDGEMENTS

This analysis of data [illegible] of reports [illegible] has been [illegible] efforts of [illegible] people. We [illegible] acknowledge the efforts of Dr. [illegible] [illegible] [illegible] and that the data was faithfully transcribed to computer files.

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APPENDIX II

List of Organisms Captured

Organisms Identified in Plankton Tows

Acari	Acari species
Aeolid	Aeolid species
Agonidae	*Pallasina barbata aix*
Anomura	Anomura zoea
	Pagurid megalops
	Pagurus beringanus
	Pagurus caurinus
Arachnida	Arachnida species
Ascidiacea	*Molgula* species
Asteroidea	Asteroididea species
Aulorhynchidae	*Aulorhynchus flavidus*
Brachyura	Brachyura megalops
	Brachyura species
	Brachyura zoea
	Cancer oregonensis
	Oregoia gracilis
	Pinnixa species
	Pugettia gracilis
	Pugettia richii
	Scyra acutifrons
	Telmessus cheiragonus
Bryozoa	Bryozoa species
	Cyphonautes larva
Calanoida	*Acartia longiremus*
	Acartia species
	Aetedius armatus
	Aetedius species
	Calanoid copedid
	Calanoid nauplii
	Calanoid species
	Calanus cristatus
	Calanus glacialis
	Calanus pacificus
	Calanus plumchrus
	Calanus species
	Candacia columbiae
	Centrophages abdominalis
	Epilabidocera amphitrites

	Eucalanus bungi bungi
	Euchirella pulchra
	Eurytemora hirundoides
	Gaetanus intermedius
	Metridia okhotensis
	Metridia pacifica
	Microcalanus pygmaeus
	Monstrilla species
	Paracalanus parvis
	Pseudocalanus minutus
	Scaphocalanus brevicornis
	Scolocithricella minor
	Scolocithricella subdentata
	Tortanus discaudatus
Calicoida	*Caligus* species
Caprellidea	*Caprella equilibria*
	Caprella leviuscula
	Caprella Species
Chaetognatha	*Eukronia hamata*
	Sagitta species
Chilopoda	Chilopoda species
Cirripedia	Barnacle cypris
	Barnacle nauplii
	Cypris larva
Cladocera	*Evadne normani*
	Podon polyphemoides
Clupeidae	*Clupea harengus pallasi*
Cnidaria	*Aglantha digitale*
	Aglantha species
	Anthopleura species
	Blackfordia species
	Cnidaria species
	Corymorpha aurata
	Coryne princeps
	Coryne tubulosa
	Dipleurosoma typicum
	Epiactus prolifera
	Euphysa species
	Euphysa tentaculata
	Haliclystus auricula
	Hydractinia species
	Leukartiara species
	Obelia longissima
	Obelia species

	Perigonium brevicornis
	Polyorchis karafutoensis
	Rathkea octopunctata
	Sarsia princeps
	Solmissus marshalli
	Tubularia christinae
	Tubularia prolifer
	Velella velella
Colembola	Colembola species
Cottidae	*Artedius harringtoni*
	Ascelichthys rhodorus
	Blepsias cirrhosus
	Cottid species
	Oligocottus maculosus
	Oligocottus rimensis
	Synchirus gilli
Ctenophora	Ctenophore species
	Pleurobranchia bachei
Cumaceae	*Cumella* species
	Diastylis species
	Diastylopsis species
	Lamprops quadriplicata
	Lamprops species
	Leptocuma species
	Leucon species
	Mesolamprops species
Cyclopoida	*Clausidium vancouverense*
	Cyclopodia species
	Hemicyclops species
	Oithona spinirostris
	Oncaea borealis
Cyclopteridae	Cyclopteridae species
	Eumicrotremus orbis
	Liparis florae
	Liparis species
	Polypera greeni
Fish	Fish eggs
	Fish larvae
Foraminiferidia	*Elphidiella* species
	Foraminiferidia species
	Milliamina species
	Polymorphina charlottensis

Gadidae	*Gadus macrocephalus*
	Microgadus proximus
Gammaridea	*Allorchestes angustus*
	Amphithoe lacertosa
	Amphithoe linbergi
	Anisogammarus pugettensis
	Anonyx species
	Aoroides columbiae
	Calliopiella pratti
	Calliopiella species
	Calliopius laeviusculus
	Corophium brevis
	Dexamonica collingi
	Dexamonica species
	Foxiphalus similis
	Haustoridae species
	Hippomedon species
	Hyale frequens
	Hyale grandecornis
	Ischyrocerus anguipes
	Laetmatophilus species
	Melita species
	Odius species (Caranata group)
	Paraphoxis species
	Prapleustes pugettensis
	Photis brevipes
	Pleusirus secorrus
	Pleustes species
	Pleustes species (Panopla group A)
	Pleustes species group B
	Pleustes species group D
	Pontogeneia inermis
	Pontogeneai intermedia
	Pontogeneia ivanovi
	Pontogeneia rostrata
	Protomedia species
	Stenothoe species
	Synchilidium shoemakeri
	Westwoodilla caecula
Gobiesocidae	*Gobiesox maeandricus*
Harpacticoida	Harpacticoid species
	Harpacticus species
	Porcellidium sarsi
	Porcellidium species
	Tetragoniceps species
Hexagrammidae	*Hexagrammos* species

Hirudinea	*Hirudinea* species
Holothuroidea	*Cucumaria miniata*
	Cucumaria pseudocurata
	Eupentacta species
	Holothuroidea species
Hydroid colony	Hydroid colony
Hyperidea	*Parathemisto pacifica*
	Parathemisto species
Insecta	Aphididae species
	Brachydeutera species
	Ceratopogonidae species
	Chironimidae adult
	Chironomidae larvae
	Chironomidae pupa
	Diptera larvae
	Diptera species
	Ephydridae species
	Hemiptera adult
	Homoptera species
	Hymenoptera adults
Isopoda	*Eusymmerus* species
	Gnathia species
	Gnorimosphaeroma oregonensis
	Idotea ochotensis
	Idotea rufescens
	Idotea urotoma
	Isopoda species
	Munna stephesoni
	Pentidotea resecta
	Pseudione species
Larvacea	*Oikopleura dioica*
Medusae	*Calycopris* species
Mollusca	*Aglaja diomedea*
	Amphissa versicolor
	Balcis grippi
	Balcis rutila
	Bittium eschrichtii
	Calliostoma ligatum
	Cardita ventricosa
	Clione species
	Crepidula adunca
	Crepidula fornicata
	Crepidula perforans
	Cryptochiton stelleri

	Diodora aspera
	Eubranchus olivaceus
	Galeomataceae (superfamily)
	Gastropoda juvenile
	Gastropoda species
	Lacuna carinata
	Lacuna marmorata
	Lacuna variegata
	Limacina species
	Lirularia species
	Littorina sitkana
	Lyonsia californica
	Margarites helicinus
	Margarites pupillis
	Marginella pyriformis
	Melibe leonina
	Mitrella carinata
	Mitrella gouldi
	Mollusca species
	Mytilus edulis
	Natica clausa
	Notoacmea scutum
	Nucula species
	Octopus leioderma
	Pelecypoda juvenile
	Pelecypoda species
	Pleurobranchus species
	Tachyrhynchus lacteolus
	Tegula pulligo
	Thais lamellosa
	Turbonilla regina
	Turbonilla valdezi
Mysidaceae	*Acanthomysis davisi*
	Acanthomysis macropsis
	Acanthomysis nephrophthalmus
	Acanthonysis pseudomacropsis
	Acanthomysis sculpta
	Mysid species
	Neomysis awatschensis
Natantia	*Crangon dalli*
	Crangon species
	Crangon zoea
	Eualis biunguis
	Heptacarpus brevirostris
	Heptacarpus carinatus
	Heptacarpus stimpsoni
	Heptacarpus stylus
	Hippolyte clarki

	Natantia zoea
	Pandalopsis dispar
	Pandalus hypsinotus
	Pandalus tridens
	Rhynocrangon alata
	Sclerocrangon boreas
Nematoda	Nematoda species
Nemertea	Nemertea species
Ophiuroide	*Ophiopholus* species
Ostracoda	Ostracoda species
Pholidae	*Apodichthys flavidus*
	Pholidae species
	Xerxerpes fucorum
Pleuronectidae	*Pleuronichthys* egg
Polychaeta	*Armandia brevis*
	Autolytus species
	Cirratulidae species
	Dodecaceria fewski
	Flabelligera affinis
	Maldanidae species
	Nereis species
	Phyllodoce species
	Polychaeta species
	Polynoida species
	Praxillella species
	Protodorvillea gracilis
Polychaeta	*Protodorvillea* species
	Serpulidae species
	Spionidae species
	Syllis species
Scorpaenidae	*Sebastes* species
Sipunculidae	Sipunculidae species
Spider	Spider species
Stichaeidae	*Anoplarchus purpurescens*
	Stichaeidae species
Tanaidacea	*Leptognathia gracilis*

Turbellaris	*Notoplana* species
Turbellaria	Turbellaria species
Unidentified	Unidentified taxon

APPENDIX III.

Plankton Tow Data

LOCATION = GRAM YEAR = 1980 MONTH = 5 DAY = 3 SAMPLE VOLUME = 560 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AGONIDAE	PALLASINA BARBATA AIX	1	5
ANOMURA	PAGURID MEGALOPS	1	0
	PAGURUS BERINGANUS	4	0
	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA ZOEA	512	0
	OREGONIA GRACILIS	2	5
	PUGETTIA RICHII	7	10
	SCYRA ACUTIFRONS	1	0
	TELMESSUS CHEIRAGONUS	1	0
CALANOIDA	CALANUS PACIFICUS	256	0
	METRIDIA PACIFICA	512	0
CNIDARIA	ANTHOPLEURA SPECIES	1	0
COTTIDAE	COTTID SPECIES	1	0
	OLIGOCOTTUS MACULOSUS	3	5
CUMACEAE	LEUCON SPECIES	256	0
CYCLOPTERIDAE	LIPARIS FLORAE	6	5
GAMMARIDEA	AMPHITHOE LINDBERGI	3	0
	CALLIOPIELLA PRATTI	5120	5
	HYALE FREQUENS	256	0
	HYALE GRANDECORNIS	1	0
	ISCHYROCERUS ANGUIPES	6656	5
	PLEUSTES SPECIES	515	0
	PONTOGENEIA INERMIS	2560	0
	PONTOGENEIA ROSTRATA	24320	20
HARPACTICOIDA	HARPACTICOID SPECIES	3328	0
	HARPACTICUS SPECIES	1024	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	3584	0
	LACUNA CARINATA	256	0
	MARGARITES PUPILLIS	12	5
	TURBONILLA VALDEZI	256	0
NATANTIA	EUALIS BIUNGUIS	22	10
	HEPTACARPUS CARINATUS	2	0
	HEPTACARPUS STIMPSONI	3	0
	HEPTACARPUS STYLUS	11	2
	HIPPOLYTE CLARKI	271	3
	NATANTIA ZOEA	256	0
	RHYNOCRANGON ALATA	2	0
PHOLIDAE	APODICHTHYS FLAVIDUS	1	10
STICHAEIDAE	ANOPLARCHUS PURPURESCENS	1	10

LOCATION = GRAM YEAR = 1980 MONTH = 5 DAY = 3 SAMPLE VOLUME = 20 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	32	0
BRACHYURA	BRACHYURA ZOEA	2048	20
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	32	5
	CALANUS GLACIALIS	416	10
	CALANUS PACIFICUS	96	5
	PSEUDOCALANUS MINUTUS	80	5
CHAETOGNATHA	EUKRONIA HAMATA	112	0
CIRRIPEDIA	BARNACLE NAUPLII	144	0
CNIDARIA	TUBULARIA PROLIFER	4736	40
CYCLOPTERIDAE	LIPARIS SPECIES	2	5
FISH	FISH EGGS	.	0
GADIDAE	GADUS MACROCEPHALUS	3	5
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	16	0
	TETRAGONICEPS SPECIES	16	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	16	0
	LIMACINA SPECIES	16	0
NATANTIA	NATANTIA ZOEA	80	0
SCORPAENIDAE	SEBASTES SPECIES	11	5

LOCATION = GRAM YEAR = 1980 MONTH = 5 DAY = 22 SAMPLE VOLUME = 4 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	1	0
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	19	0
CALANOIDA	AETEDIUS ARMATUS	7	0
	CALANUS GLACIALIS	12	0
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	1	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	4	0
CHAETOGNATHA	EUKRONIA HAMATA	7	0
CIRRIPEDIA	BARNACLE CYPRIS	1	0
	BARNACLE NAUPLII	2	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	CORYMORPHA AURATA	2	0
	OBELIA SPECIES	1	0
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	1288	100
CYCLOPOIDA	CLAUSIDIUM VANCOUVERENSE	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0

HARPACTICOIDA	HARPACTICOID SPECIES	2	0
ISOPODA	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	LIMACINA SPECIES	5	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION = GRAM YEAR = 1980 MONTH = 6 DAY = 9 SAMPLE VOLUME = 260 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	96	40
CALANOIDA	CALANUS GLACIALIS	128	20
	PSEUDOCALANUS MINUTUS	64	20
CIRRIPEDIA	BARNACLE CYPRIS	32	0
	BARNACLE NAUPLII	32	0
CLADOCERA	PODON POLYPHEMOIDES	32	0
CNIDARIA	CORYNE TUBULOSA	2	10
GAMMARIDEA	AMPHITHOE LINDBERGI	2	10
MOLLUSCA	LACUNA CARINATA	1	0

LOCATION = GRAM YEAR = 1980 MONTH = 6 DAY = 23 SAMPLE VOLUME = 215 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	224	0
CALANOIDA	CALANOID COPEDID	224	0
	CALANOID SPECIES	64	0
	CALANUS PACIFICUS	96	0
	CALANUS PLUMCHRUS	192	0
	PARACALANUS PARVIS	224	0
	PSEUDOCALANUS MINUTUS	3104	5
CHAETOGNATHA	EUKRONIA HAMATA	32	0
CIRRIPEDIA	BARNACLE CYPRIS	32	0
	BARNACLE NAUPLII	672	0
CLADOCERA	EVADNE NORMANI	32	0
	PODON POLYPHEMOIDES	896	0
CNIDARIA	OBELIA LONGISSIMA	32	0
	PERIGONIUM BREVICORNIS	1	0
	RATHKEA OCTOPUNCTATA	96	0
	TUBULARIA PROLIFER	21856	90
GAMMARIDEA	ISCHYROCERUS ANGUIPES	32	0
HYPERIDEA	PARATHEMISTO SPECIES	128	0
ISOPODA	IDOTEA UROTOMA	32	0
	ISOPODA SPECIES	32	0
LARVACEA	OIKOPLEURA DIOICA	1920	2
NATANTIA	NATANTIA ZOEA	256	0

POLYCHAETA	NEREIS SPECIES	96	0
	PROTODORVILLEA SPECIES	32	0
SCORPAENIDAE	SEBASTES SPECIES	11	3
STICHAEIDAE	STICHAEIDAE SPECIES	1	0

LOCATION = GRAM YEAR = 1980 MONTH = 6 DAY = 23 SAMPLE VOLUME = 36 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	16	0
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	480	0
BRYOZOA	BRYOZOA SPECIES	16	0
CALANOIDA	CALANOID COPEDID	160	0
	CALANUS PACIFICUS	64	0
	CALANUS PLUMCHRUS	384	20
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	16	0
	PARACALANUS PARVIS	464	0
	PSEUDOCALANUS MINUTUS	1456	10
CIRRIPEDIA	BARNACLE CYPRIS	16	0
	BARNACLE NAUPLII	320	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	608	0
CNIDARIA	TUBULARIA PROLIFER	2512	60
FISH	FISH EGGS	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	16	0
GAMMARIDEA	AMPHITHOE LINDBERGI	16	0
	ISCHYROCERUS ANGUIPES	32	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
ISOPODA	IDOTEA UROTOMA	16	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	336	0
MOLLUSCA	AGLAJA DIOMEDEA	5	5
	LACUNA VARIEGATA	1	0
	LIMACINA SPECIES	32	0
	MITRELLA CARINATA	1	0
NATANTIA	EUALIS BIUNGUIS	6	5
	HEPTACARPUS CARINATUS	3	0
	HEPTACARPUS STYLUS	1	0
	NATANTIA ZOEA	80	0
SCORPAENIDAE	SEBASTES SPECIES	1	0

LOCATION = GRAM YEAR = 1980 MONTH = 7 DAY = 26 SAMPLE VOLUME = 360 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	5
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	1	0
BRACHYURA	OREGONIA GRACILIS	2	0
	PUGETTIA RICHII	12	20
CALANOIDA	PSEUDOCALANUS MINUTUS	320	0
	TORTANUS DISCAUDATUS	64	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
CNIDARIA	EPIACTUS PROLIFERA	5	0
COTTIDAE	ASCELICHTHYS RHODORUS	1	5
CUMACEAE	CUMELLA SPECIES	64	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	64	0
GAMMARIDEA	AMPHITHOE LACERTOSA	67	0
	ISCHYROCERUS ANGUIPES	2432	10
	PARAPLEUSTES PUGETTENSIS	640	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	192	0
	PONTOGENEIA ROSTRATA	6592	50
HARPACTICOIDA	HARPACTICOID SPECIES	64	0
	PORCELLIDIUM SPECIES	192	0
MOLLUSCA	LACUNA CARINATA	192	0
	MARGARITES PUPILLIS	64	0
NATANTIA	CRANGON DALLI	64	0
	HEPTACARPUS STYLUS	64	0
STICHAEIDAE	ANOPLARCHUS PURPURESCENS	1	10

LOCATION = GRAM YEAR = 1980 MONTH = 7 DAY = 26 SAMPLE VOLUME = 18 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8	0
	PUGETTIA RICHII	2	10
CALANOIDA	CALANOID COPEDID	152	5
	CALANOID SPECIES	184	5
	CALANUS GLACIALIS	8	0
	CALANUS PACIFICUS	8	0
	CENTROPHAGES ABDOMINALIS	8	0
	PARACALANUS PARVIS	24	0
	PSEUDOCALANUS MINUTUS	104	5
	TORTANUS DISCAUDATUS	40	0
CHAETOGNATHA	EUKRONIA HAMATA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
CLADOCERA	EVADNE NORMANI	288	3
	PODON POLYPHEMOIDES	96	2
CYCLOPOIDA	HEMICYCLOPS SPECIES	8	0
FISH	FISH EGGS	32	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	160	0

	FORAMINIFERIDIA SPECIES	1136	10
	MILLIAMINA SPECIES	8	0
GAMMARIDEA	AMPHITHOE LINDBERGI	16	0
	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	64	5
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA ROSTRATA	24	0
	SYNCHELIDIUM SHOEMAKERI	8	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	120	0
ISOPODA	MUNNA STEPHENSONI	8	0
LARVACEA	OIKOPLEURA DIOICA	432	5
MOLLUSCA	BALCIS GRIPPI	1	0
	LACUNA CARINATA	160	10
	LACUNA VARIEGATA	8	0
	MARGARITES PUPILLIS	124	30
	MITRELLA GOULDI	8	10
	MYTILUS EDULIS	8	0
	TURBONILLA VALDEZI	16	0
NATANTIA	HEPTACARPUS STYLUS	1	0
	NATANTIA ZOEA	16	0
OSTRACODA	OSTRACODA SPECIES	48	0

LOCATION = GRAM YEAR = 1980 MONTH = 8 DAY = 28 SAMPLE VOLUME = 400 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	32	0
	CANCER OREGONENSIS	1	0
	OREGONIA GRACILIS	64	0
	PINNIXA SPECIES	2	0
	PUGETTIA RICHII	32	0
CALANOIDA	CALANOID COPEDID	32	0
	CALANUS PACIFICUS	32	0
	CENTROPHAGES ABDOMINALIS	192	0
	PSEUDOCALANUS MINUTUS	288	0
CLADOCERA	PODON POLYPHEMOIDES	32	0
CNIDARIA	EPIACTUS PROLIFERA	1	0
COTTIDAE	SYNCHIRUS GILLI	1	0
CUMACEAE	CUMELLA SPECIES	32	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	864	0
	FORAMINIFERIDIA SPECIES	672	0
	MILLIAMINA SPECIES	32	0
	POLYMORPHINA CHARLOTTENSIS	32	0
GAMMARIDEA	AMPHITHOE LINDBERGI	96	0
	ISCHYROCERUS ANGUIPES	1312	10
	PARAPLEUSTES PUGETTENSIS	32	0
	PONTOGENEIA INERMIS	480	0
	PONTOGENEIA ROSTRATA	32	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	384	0
	HARPACTICUS SPECIES	96	0
	PORCELLIDIUM SPECIES	32	0

HOLOTHUROIDEA	CUCUMARIA PSEUDOCURATA	255	40
	EUPENTACTA SPECIES	29	10
MOLLUSCA	BALCIS GRIPPI	32	0
	BALCIS RUTILA	59	10
	CARDITA VENTRICOSA	192	0
	GALEOMATACEAE (SUPERFAMILY)	64	0
	LACUNA CARINATA	96	0
	LACUNA VARIEGATA	32	0
	LYONSIA CALIFORNICA	64	0
	MARGINELLA PYRIFORMIS	37	0
	MELIBE LEONINA	1	0
	MYTILUS EDULIS	1	0
	NATICA CLAUSA	1	0
	NUCULA SPECIES	128	0
	PELECYPODA SPECIES	32	0
	TACHYRHYNCHUS LACTEOLUS	32	0
	TEGULA PULLIGO	7	0
	TURBONILLA REGINA	1	0
NATANTIA	CRANGON DALLI	1	0
	HEPTACARPUS BREVIROSTRIS	1	0
	HEPTACARPUS STIMPSONI	1	0
	NATANTIA ZOEA	32	0
NEMATODA	NEMATODA SPECIES	160	0
OPHIUROIDE	OPHIOPHOLUS SPECIES	192	0
OSTRACODA	OSTRACODA SPECIES	160	0
POLYCHAETA	CIRRATULIDAE SPECIES	32	0
	MALDANIDAE SPECIES	32	0
	POLYCHAETA SPECIES	2688	30
	POLYNOIDA SPECIES	32	0
	PROTODORVILLEA GRACILIS	96	0
	SERPULIDAE SPECIES	32	0

LOCATION = GRAM YEAR = 1980 MONTH = 8 DAY = 28 SAMPLE VOLUME = 48 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	64	0
CALANOIDA	AETEDIUS ARMATUS	464	10
	CALANOID COPEDID	256	0
	CALANUS PACIFICUS	144	0
	CENTROPHAGES ABDOMINALIS	2800	45
	EPILABIDOCERA AMPHITRITES	16	0
	PSEUDOCALANUS MINUTUS	272	0
CHAETOGNATHA	EUKRONIA HAMATA	144	5
CIRRIPEDIA	BARNACLE NAUPLII	144	0
CLADOCERA	EVADNE NORMANI	112	0
	PODON POLYPHEMOIDES	304	0
CNIDARIA	CORYNE TUBULOSA	37	15
	PERIGONIUM BREVICORNIS	16	15
	RATHKEA OCTOPUNCTATA	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	44	5
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	80	0

GAMMARIDEA	ISCHYROCERUS ANGUIPES	16	0
	PONTOGENEIA ROSTRATA	112	5
HARPACTICOIDA	HARPACTICUS SPECIES	32	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	MOLLUSCA SPECIES	16	0
	TACHYRHYNCHUS LACTEOLUS	2	0
NATANTIA	NATANTIA ZOEA	48	0
OSTRACODA	OSTRACODA SPECIES	80	0

LOCATION = GRAM YEAR = 1980 MONTH = 8 DAY = 28 SAMPLE VOLUME = 320 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	2	0
BRACHYURA	OREGONIA GRACILIS	2	1
	PUGETTIA RICHII	2	1
CALANOIDA	CENTROPHAGES ABDOMINALIS	64	0
	PSEUDOCALANUS MINUTUS	64	0
CNIDARIA	EPIACTUS PROLIFERA	3	0
COTTIDAE	SYNCHIRUS GILLI	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	1
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
GAMMARIDEA	AMPHITHOE LACERTOSA	32	0
	AMPHITHOE LINDBERGI	96	0
	AOROIDES COLUMBIAE	192	0
	ISCHYROCERUS ANGUIPES	6080	10
	PARAPLEUSTES PUGETTENSIS	224	0
	PLEUSTES SPECIES	256	0
	PONTOGENEIA INTERMEDIA	512	0
	PONTOGENEIA ROSTRATA	21760	80
HARPACTICOIDA	HARPACTICOID SPECIES	96	0
	HARPACTICUS SPECIES	96	0
	PORCELLIDIUM SPECIES	192	0
ISOPODA	IDOTEA UROTOMA	64	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	96	0
	LACUNA CARINATA	128	0
	LACUNA VARIEGATA	32	0
	MARGARITES PUPILLIS	46	5
	TURBONILLA VALDEZI	32	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	224	0
	HEPTACARPUS CARINATUS	1	0
	HEPTACARPUS STYLUS	32	0
	HIPPOLYTE CLARKI	39	2
	NATANTIA ZOEA	64	0
POLYCHAETA	NEREIS SPECIES	32	0

LOCATION = GRAM YEAR = 1980 MONTH = 8 DAY = 28 SAMPLE VOLUME = 30 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ASCIDIACEA	MOLGULA SPECIES	8	10
BRACHYURA	BRACHYURA ZOEA	4	0
CALANOIDA	CALANOID COPEDID	28	10
	CENTROPHAGES ABDOMINALIS	30	10
	PSEUDOCALANUS MINUTUS	90	50
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	2	0
MOLLUSCA	CLIONE SPECIES	11	10
	LYONSIA CALIFORNICA	5	10
	MELIBE LEONINA	1	0
NATANTIA	NATANTIA ZOEA	6	0

LOCATION = GRAM YEAR = 1980 MONTH = 9 DAY = 11 SAMPLE VOLUME = 450 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	1	0
BRACHYURA	PUGETTIA RICHII	17	5
CALANOIDA	CALANOID COPEDID	64	0
	CENTROPHAGES ABDOMINALIS	64	0
	PARACALANUS PARVIS	256	0
	TORTANUS DISCAUDATUS	320	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	320	0
CNIDARIA	CORYNE TUBULOSA	1	0
	EPIACTUS PROLIFERA	13	0
COTTIDAE	SYNCHIRUS GILLI	1	0
GAMMARIDEA	AMPHITHOE LACERTOSA	2	0
	AOROIDES COLUMBIAE	128	0
	CALLIOPIELLA PRATTI	1216	0
	DEXAMONICA (ATYLUS) COLLINGI	128	0
	ISCHYROCERUS ANGUIPES	10432	10
	PARAPLEUSTES PUGETTENSIS	128	0
	PLEUSTES SPECIES	128	0
	PONTOGENEIA ROSTRATA	28544	70
HARPACTICOIDA	HARPACTICOID SPECIES	1088	0
	HARPACTICUS SPECIES	320	0
ISOPODA	IDOTEA UROTOMA	64	0
	PENTIDOTEA RESECTA	1	0
MOLLUSCA	LACUNA CARINATA	64	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	213	3
	HEPTACARPUS CARINATUS	12	2
	HEPTACARPUS STYLUS	119	10
	HIPPOLYTE CLARKI	19	0
	NATANTIA ZOEA	192	0
	PANDALUS HYPSINOTUS	1	0
STICHAEIDAE	ANOPLARCHUS PURPURESCENS	1	0

LOCATION = GRAM YEAR = 1980 MONTH = 9 DAY = 11 SAMPLE VOLUME = 15 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	4	0
BRACHYURA	BRACHYURA ZOEA	12	0
CALANOIDA	AETEDIUS ARMATUS	24	0
	CALANOID COPEDID	60	0
	CALANUS PACIFICUS	44	0
	CENTROPHAGES ABDOMINALIS	236	20
	EPILABIDOCERA AMPHITRITES	140	10
	PARACALANUS PARVIS	12	0
	PSEUDOCALANUS MINUTUS	116	0
	TORTANUS DISCAUDATUS	668	30
CAPRELLIDEA	CAPRELLA EQUILIBRIA	76	0
CHAETOGNATHA	EUKRONIA HAMATA	32	5
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	11	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	13	10
GAMMARIDEA	ISCHYROCERUS ANGUIPES	84	10
	PARAPLEUSTES PUGETTENSIS	8	0
	PONTOGENEIA ROSTRATA	76	10
HARPACTICOIDA	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	12	0
	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	LACUNA CARINATA	8	0
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	20	0

LOCATION = GRAM YEAR = 1980 MONTH = 9 DAY = 11 SAMPLE VOLUME = 39 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	40	0
	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	152	0
CALANOIDA	AETEDIUS ARMATUS	24	0
	CALANOID COPEDID	40	0
	CALANUS PACIFICUS	48	0
	CENTROPHAGES ABDOMINALIS	264	0
	EPILABIDOCERA AMPHITRITES	16	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	192	0
	TORTANUS DISCAUDATUS	1296	20
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1768	45

	CAPRELLA LEVIUSCULA	16	0
CHAETOGNATHA	EUKRONIA HAMATA	80	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
COTTIDAE	COTTID SPECIES	1	0
	SYNCHIRUS GILLI	2	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	30
CUMACEAE	LEUCON SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	24	0
	ISCHYROCERUS ANGUIPES	168	0
	PARAPLEUSTES PUGETTENSIS	24	0
	PLEUSTES SPECIES	8	0
	PONTOGENEIA ROSTRATA	144	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	32	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MEDUSAE	CALYCOPRIS SPECIES	8	0
MOLLUSCA	LACUNA CARINATA	40	0
NATANTIA	NATANTIA ZOEA	152	0

LOCATION = GRAM YEAR = 1980 MONTH = 9 DAY = 11 SAMPLE VOLUME = 38 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	8	0
	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA ZOEA	16	0
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	72	0
	CALANUS GLACIALIS	8	0
	CALANUS PACIFICUS	8	0
	CENTROPHAGES ABDOMINALIS	112	0
	EPILABIDOCERA AMPHITRITES	32	0
	PSEUDOCALANUS MINUTUS	136	0
	TORTANUS DISCAUDATUS	216	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2472	70
	CAPRELLA LEVIUSCULA	32	0
CHAETOGNATHA	EUKRONIA HAMATA	80	0
CNIDARIA	CORYNE TUBULOSA	4	10
	POLYORCHIS KARAFUTOENSIS	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	5
CUMACEAE	LAMPROPS QUADRIPLICATA	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	CALLIOPIUS LAEVIUSCULUS	16	0
	ISCHYROCERUS ANGUIPES	1192	10
	PARAPLEUSTES PUGETTENSIS	16	0
	PLEUSTES SPECIES	8	0
	PONTOGENEIA ROSTRATA	360	5
HARPACTICOIDA	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	96	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	64	0

	PENTIDOTEA RESECTA	8	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	LACUNA CARINATA	16	0
OPHIUROIDE	OPHIOPHOLUS SPECIES	8	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 1 DAY = 24 SAMPLE VOLUME = 260 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	3
BRACHYURA	BRACHYURA ZOEA	96	0
CALANOIDA	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	8	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	24	0
	METRIDIA PACIFICA	16	0
	TORTANUS DISCAUDATUS	32	0
CUMACEAE	CUMELLA SPECIES	48	0
GAMMARIDEA	DEXAMONICA (ATYLUS) SPECIES	40	2
	ISCHYROCERUS ANGUIPES	24	1
	ODIUS SPECIES (CARANATA GROUP)	40	2
	PARAPLEUSTES PUGETTENSIS	40	2
	PHOTIS BREVIPES	24	1
	PLEUSTES SPECIES	48	2
	PLEUSTES SPECIES GROUP B	8	0
	PONTOGENEIA INERMIS	440	40
	PONTOGENEIA INTERMEDIA	16	0
	SYNCHELIDIUM SHOEMAKERI	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	PORCELLIDIUM SARSI	24	0
ISOPODA	PENTIDOTEA RESECTA	8	0
MOLLUSCA	MARGARITES PUPILLIS	5	2
	MELIBE LEONINA	2	25
NATANTIA	CRANGON SPECIES	24	3
	HEPTACARPUS BREVIROSTRIS	48	10
	HEPTACARPUS CARINATUS	16	0
	HIPPOLYTE CLARKI	96	7
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	POLYCHAETA SPECIES	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 1 DAY = 24 SAMPLE VOLUME = 21 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	.	10
CALANOIDA	AETEDIUS ARMATUS	40	20
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	12	10
	CENTROPHAGES ABDOMINALIS	5	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	76	40
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	7	0
CHAETOGNATHA	SAGITTA SPECIES	12	10
CIRRIPEDIA	BARNACLE NAUPLII	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
FISH	FISH LARVAE	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	3	0
	PONTOGENEIA INERMIS	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	14	0
	HARPACTICUS SPECIES	1	0
HYPERIDEA	PARATHEMISTO SPECIES	14	10
INSECTA	CHIRONIMIDAE ADULT	1	0
ISOPODA	IDOTEA UROTOMA	1	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	2	0
POLYCHAETA	SYLLIS SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 14 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1071	60
CALANOIDA	ACARTIA LONGIREMUS	1	0
	AETEDIUS ARMATUS	46	2
	CALANOID COPEDID	27	1
	CALANUS GLACIALIS	64	2
	CALANUS PLUMCHRUS	1	0
	METRIDIA PACIFICA	73	5
	PSEUDOCALANUS MINUTUS	7	0
CHAETOGNATHA	SAGITTA SPECIES	45	0
CIRRIPEDIA	BARNACLE NAUPLII	675	30
CLUPEIDAE	CLUPEA HARENGUS PALLASI	6	0
CNIDARIA	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	1	0
	SOLMISSUS MARSHALLI	1	0
	TUBULARIA CHRISTINAE	1	0

	TUBULARIA PROLIFER	81	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	11	0
	FISH LARVAE	27	0
GAMMARIDEA	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	73	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LIRULARIA SPECIES	3	0
	PELECYPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	20	0

LOCATION = GRAM YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 15 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	571	40
CALANOIDA	AETEDIUS ARMATUS	57	3
	CALANOID COPEDID	7	0
	CALANUS GLACIALIS	17	0
	CALANUS PLUMCHRUS	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	3	0
	METRIDIA PACIFICA	40	2
	PSEUDOCALANUS MINUTUS	5	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	15	0
CIRRIPEDIA	BARNACLE NAUPLII	908	50
CNIDARIA	TUBULARIA PROLIFER	44	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	13	0
	FISH LARVAE	24	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	157	5
MOLLUSCA	GASTROPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 14 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA ZOEA	98	10
CALANOIDA	AETEDIUS ARMATUS	35	5
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	13	0

	CALANUS PLUMCHRUS	2	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	34	5
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	1	0
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	76	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	5	0
CNIDARIA	CORYNE TUBULOSA	2	0
	TUBULARIA PROLIFER	14	0
CUMACEAE	CUMELLA SPECIES	2	0
	DIASTYLOPSIS SPECIES	1	0
FISH	FISH EGGS	14	0
	FISH LARVAE	15	0
GAMMARIDEA	ANONYX SPECIES	10	5
	CALLIOPIELLA PRATTI	282	50
	HYALE FREQUENS	7	0
	ISCHYROCERUS ANGUIPES	9	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PHOTIS BREVIPES	1	0
	PLEUSTES SPECIES GROUP D	1	0
	PONTOGENEIA INERMIS	14	5
HARPACTICOIDA	HARPACTICOID SPECIES	40	0
	HARPACTICUS SPECIES	54	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	31	0
LARVACEA	OIKOPLEURA DIOICA	133	20
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	13	0
	LACUNA CARINATA	8	0
	PELECYPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	10	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	PHYLLODOCE SPECIES	1	0
	POLYCHAETA SPECIES	1	0

LOCATION - GRAM YEAR - 1981 MONTH - 4 DAY - 7 SAMPLE VOLUME - 14 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1836	90
CALANOIDA	AETEDIUS ARMATUS	39	1
	CALANOID COPEDID	7	0
	CALANUS GLACIALIS	11	0
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	24	1
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	1	0

	TORTANUS DISCAUDATUS	8	0
CHAETOGNATHA	SAGITTA SPECIES	5	0
CIRRIPEDIA	BARNACLE NAUPLII	443	5
CNIDARIA	CORYNE TUBULOSA	5	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	1	0
	SOLMISSUS MARSHALLI	1	0
	TUBULARIA CHRISTINAE	1	0
	TUBULARIA PROLIFER	70	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	3	0
FISH	FISH EGGS	5	0
	FISH LARVAE	12	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	HYALE FREQUENS	3	0
	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	3	0
	PORCELLIDIUM SARSI	1	0
INSECTA	CHIRONOMIDAE LARVAE	1	0
LARVACEA	OIKOPLEURA DIOICA	125	3
MOLLUSCA	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	7	0

LOCATION - GRAM YEAR - 1981 MONTH - 4 DAY - 19 SAMPLE VOLUME - 19 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	4042	70
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	112	0
	CALANOID COPEDID	36	0
	CALANUS GLACIALIS	130	2
	CALANUS PACIFICUS	2	0
	EPILABIDOCERA AMPHITRITES	6	0
	EUCALANUS BUNGI BUNGI	2	0
	METRIDIA PACIFICA	218	3
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	48	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	20	0
CHAETOGNATHA	SAGITTA SPECIES	52	0
CIRRIPEDIA	BARNACLE NAUPLII	630	5
	CYPRIS LARVA	6	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	10	0
CNIDARIA	CORYNE TUBULOSA	8	0
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	526	5
FISH	FISH EGGS	4	0
	FISH LARVAE	88	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	24	1

	CALLIOPIELLA PRATTI	94	2
	ISCHYROCERUS ANGUIPES	14	0
	LAETMATOPHILUS (PHOTIS) SPECIES	2	0
	ODIUS SPECIES (CARANATA GROUP)	10	0
	PHOTIS BREVIPES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PLEUSTES SPECIES GROUP D	4	0
	PONTOGENEIA INERMIS	80	2
	STENOTHOE SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	102	0
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	2	0
LARVACEA	OIKOPLEURA DIOICA	10	0
MOLLUSCA	LACUNA CARINATA	2	0
NATANTIA	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	766	10
POLYCHAETA	FLABELLIGERA AFFINIS	2	0
TURBELLARIA	TURBELLARIA SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 7 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	446	30
CALANOIDA	ACARTIA LONGIREMUS	3	0
	AETEDIUS ARMATUS	6	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	10	5
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	3	0
	METRIDIA PACIFICA	14	0
	PSEUDOCALANUS MINUTUS	24	5
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	13	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	306	30
	CYPRIS LARVA	9	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	7	0
	CORYNE TUBULOSA	6	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	167	30
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
FISH	FISH EGGS	10	0
	FISH LARVAE	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	10	0
	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	31	0

ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	1	0
	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	84	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	19	0
OSTRACODA	OSTRACODA SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 30 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	4
BRACHYURA	BRACHYURA ZOEA	78	0
CALANOIDA	AETEDIUS ARMATUS	44	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	2	0
	CALANUS PACIFICUS	4	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	6	0
	PSEUDOCALANUS MINUTUS	12	0
	TORTANUS DISCAUDATUS	16	0
CIRRIPEDIA	BARNACLE NAUPLII	66	0
	CYPRIS LARVA	4	0
CNIDARIA	CORYNE TUBULOSA	2	0
	TUBULARIA PROLIFER	36	0
FISH	FISH EGGS	8	0
	FISH LARVAE	14	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	6	0
	CALLIOPIELLA PRATTI	710	32
	HYALE FREQUENS	46	0
	HYALE GRANDECORNIS	2	0
	ISCHYROCERUS ANGUIPES	150	0
	LAETMATOPHILUS (PHOTIS) SPECIES	2	0
	ODIUS SPECIES (CARANATA GROUP)	14	0
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	22	0
	PONTOGENEIA INERMIS	746	32
HARPACTICOIDA	HARPACTICOID SPECIES	392	8
	HARPACTICUS SPECIES	350	8
	PORCELLIDIUM SARSI	4	0
ISOPODA	PENTIDOTEA RESECTA	1	4
MOLLUSCA	CREPIDULA PERFORANS	2	0
	LITTORINA SITKANA	2	2
	NOTOACMEA SCUTUM	1	2
	THAIS LAMELLOSA	1	8
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	2	0
NATANTIA	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	10	0
	NATANTIA ZOEA	4	0
TANAIDACEA	LEPTOGNATHIA GRACILIS	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 5 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	136	10
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	9	0
	CENTROPHAGES ABDOMINALIS	3	0
	EPILABIDOCERA AMPHITRITES	2	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	12	0
	TORTANUS DISCAUDATUS	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	495	40
	CYPRIS LARVA	10	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	CORYNE TUBULOSA	3	0
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	204	40
FISH	FISH EGGS	4	0
	FISH LARVAE	33	0
GAMMARIDEA	ANONYX SPECIES	1	0
	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	140	10
	HARPACTICUS SPECIES	6	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	2	0
LARVACEA	OIKOPLEURA DIOICA	23	0
MOLLUSCA	GASTROPODA JUVENILE	3	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	9	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 3 SAMPLE VOLUME = 15 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	713	10
CALANOIDA	ACARTIA LONGIREMUS	17	0
	AETEDIUS ARMATUS	14	0
	CALANUS GLACIALIS	42	0
	CENTROPHAGES ABDOMINALIS	35	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	91	0
	PSEUDOCALANUS MINUTUS	127	0
	SCOLOCITHRICELLA MINOR	12	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	35	0

CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	14	0
	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	2114	90
FISH	FISH EGGS	18	0
	FISH LARVAE	12	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	35	0
	CALLIOPIELLA PRATTI	5	0
	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	21	0
HARPACTICOIDA	HARPACTICOID SPECIES	79	0
	HARPACTICUS SPECIES	81	0
ISOPODA	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	12	0
MOLLUSCA	GASTROPODA JUVENILE	5	0
NATANTIA	NATANTIA ZOEA	77	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 3 SAMPLE VOLUME = 15 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	233	0
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	19	0
	CALANUS GLACIALIS	43	0
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	3	0
	EUCALANUS BUNGI BUNGI	5	0
	METRIDIA PACIFICA	17	0
	PSEUDOCALANUS MINUTUS	32	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	9	0
CHAETOGNATHA	SAGITTA SPECIES	3	0
CIRRIPEDIA	BARNACLE NAUPLII	206	0
	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	10	0
CNIDARIA	AGLANTHA SPECIES	2	0
	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	5	0
	RATHKEA OCTOPUNCTATA	9	0
	TUBULARIA CHRISTINAE	1	0
	TUBULARIA PROLIFER	2340	99
CYCLOPOIDA	ONCAEA BOREALIS	4	0
FISH	FISH EGGS	4	1
	FISH LARVAE	1	0
GAMMARIDEA	LAETMATOPHILUS (PHOTIS) SPECIES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	17	0
MOLLUSCA	GASTROPODA JUVENILE	32	0
NATANTIA	NATANTIA ZOEA	56	0

OSTRACODA	OSTRACODA SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 3 SAMPLE VOLUME = 20 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	692	10
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	32	0
	CALANUS GLACIALIS	88	0
	EUCALANUS BUNGI BUNGI	12	0
	METRIDIA PACIFICA	24	0
	PSEUDOCALANUS MINUTUS	22	0
	SCOLOCITHRICELLA MINOR	4	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	314	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	6	0
	HYDRACTINIA SPECIES	2	0
	RATHKEA OCTOPUNCTATA	6	0
	TUBULARIA CHRISTINAE	4	0
	TUBULARIA PROLIFER	3048	90
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	10	0
	FISH LARVAE	2	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	18	0
MOLLUSCA	GASTROPODA JUVENILE	30	0
NATANTIA	NATANTIA ZOEA	144	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 3 SAMPLE VOLUME = 27 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	296	0
	PUGETTIA RICHII	1	99
CALANOIDA	ACARTIA LONGIREMUS	2	0
	AETEDIUS ARMATUS	36	0
	CALANUS GLACIALIS	68	0
	CENTROPHAGES ABDOMINALIS	6	0
	EUCALANUS BUNGI BUNGI	4	0
	METRIDIA PACIFICA	100	0
	PSEUDOCALANUS MINUTUS	182	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	60	0

CNIDARIA	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	388	0
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	2	0
	FISH LARVAE	6	1
GAMMARIDEA	ALLORCHESTES ANGUSTUS	16	0
	CALLIOPIELLA PRATTI	156	0
	HYALE FREQUENS	24	0
	ISCHYROCERUS ANGUIPES	114	0
	ODIUS SPECIES (CARANATA GROUP)	26	0
	PARAPLEUSTES PUGETTENSIS	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	12	0
	PLEUSTES SPECIES GROUP D	4	0
	PONTOGENEIA INERMIS	378	0
HARPACTICOIDA	HARPACTICOID SPECIES	178	0
	HARPACTICUS SPECIES	142	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA UROTOMA	2	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	114	0
NATANTIA	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	196	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 3 SAMPLE VOLUME = 20 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	562	2
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	6	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	54	0
	CENTROPHAGES ABDOMINALIS	2	0
	EUCALANUS BUNGI BUNGI	12	0
	METRIDIA PACIFICA	36	0
	PSEUDOCALANUS MINUTUS	42	0
	SCOLOCITHRICELLA MINOR	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	526	2
	CYPRIS LARVA	4	0
CNIDARIA	AGLANTHA DIGITALE	16	0
	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	4	0
	TUBULARIA PROLIFER	2660	95
FISH	FISH EGGS	6	0
	FISH LARVAE	20	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	6	0
	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	26	0

HARPACTICOIDA	HARPACTICOID SPECIES	46	0
	HARPACTICUS SPECIES	20	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	58	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	270	1

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 220 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	80	0
	PUGETTIA RICHII	3	40
CALANOIDA	CALANOID COPEDID	48	0
	CALANUS GLACIALIS	64	0
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	16	0
CIRRIPEDIA	BARNACLE NAUPLII	32	0
CNIDARIA	EPIACTUS PROLIFERA	1	10
GAMMARIDEA	CALLIOPIELLA PRATTI	208	0
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	1072	5
	ODIUS SPECIES (CARANATA GROUP)	112	0
	PHOTIS BREVIPES	16	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	48	0
	PLEUSTES SPECIES GROUP D	16	0
	PONTOGENEIA INERMIS	7104	45
HARPACTICOIDA	HARPACTICOID SPECIES	208	0
	HARPACTICUS SPECIES	48	0
	PORCELLIDIUM SARSI	48	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	16	0
	NATANTIA ZOEA	176	0
POLYCHAETA	NEREIS SPECIES	64	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 6 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	59	10
BRYOZOA	CYPHONAUTES LARVA	3	0
CALANOIDA	ACARTIA LONGIREMUS	9	0
	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	20	10
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	7	2
	METRIDIA PACIFICA	2	0

	PSEUDOCALANUS MINUTUS	27	5
	TORTANUS DISCAUDATUS	14	3
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	11	0
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	BLACKFORDIA SPECIES	114	60
	CORYNE TUBULOSA	8	0
	RATHKEA OCTOPUNCTATA	5	0
	TUBULARIA CHRISTINAE	3	0
	TUBULARIA PROLIFER	3	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	7	0
	FISH LARVAE	2	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	54	10
MOLLUSCA	GASTROPODA JUVENILE	5	0
NATANTIA	NATANTIA ZOEA	3	0
OSTRACODA	OSTRACODA SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 30 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	24	0
CALANOIDA	CALANUS GLACIALIS	4	0
	PSEUDOCALANUS MINUTUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
	CAPRELLA LEVIUSCULA	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CNIDARIA	TUBULARIA PROLIFER	2	0
FISH	FISH EGGS	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	132	5
	CALLIOPIELLA PRATTI	1236	50
	HYALE FREQUENS	58	0
	ISCHYROCERUS ANGUIPES	170	10
	ODIUS SPECIES (CARANATA GROUP)	118	0
	PARAPLEUSTES PUGETTENSIS	12	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	38	0
	PONTOGENEIA INERMIS	642	30
HARPACTICOIDA	HARPACTICOID SPECIES	232	2
	HARPACTICUS SPECIES	312	3
	PORCELLIDIUM SARSI	68	0
ISOPODA	PENTIDOTEA RESECTA	2	0
MOLLUSCA	LACUNA CARINATA	2	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	6	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	6	0
	HEPTACARPUS CARINATUS	6	0
	HIPPOLYTE CLARKI	2	0

	NATANTIA ZOEA	4	0
POLYCHAETA	POLYCHAETA SPECIES	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 11 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	54	20
CALANOIDA	ACARTIA LONGIREMUS	1	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	13	3
	CALANUS GLACIALIS	29	10
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	8	2
	PSEUDOCALANUS MINUTUS	23	5
	TORTANUS DISCAUDATUS	7	0
CHAETOGNATHA	SAGITTA SPECIES	22	0
CIRRIPEDIA	BARNACLE NAUPLII	18	0
	CYPRIS LARVA	1	0
CNIDARIA	BLACKFORDIA SPECIES	13	0
	CORYNE TUBULOSA	8	0
	HYDRACTINIA SPECIES	1	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	132	40
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	11	0
GAMMARIDEA	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	111	20
MOLLUSCA	GASTROPODA JUVENILE	10	0
NATANTIA	NATANTIA ZOEA	9	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 8 SAMPLE VOLUME = 20 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA RICHII	1	100

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 110 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	OREGONIA GRACILIS	1	5
	PUGETTIA RICHII	62	80
	TELMESSUS CHEIRAGONUS	1	5
CYCLOPTERIDAE	LIPARIS FLORAE	2	2
MOLLUSCA	MARGARITES PUPILLIS	4	5
NATANTIA	HEPTACARPUS CARINATUS	2	2
POLYCHAETA	NEREIS SPECIES	1	1

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 420 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	32	0
BRACHYURA	BRACHYURA ZOEA	32	0
CALANOIDA	CALANOID COPEDID	32	0
CNIDARIA	EPIACTUS PROLIFERA	32	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1760	0
	ISCHYROCERUS ANGUIPES	3648	5
	ODIUS SPECIES (CARANATA GROUP)	288	0
	PONTOGENEIA INERMIS	35808	90
	PONTOGENEIA ROSTRATA	3232	5
HARPACTICOIDA	HARPACTICUS SPECIES	64	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	64	0
	HIPPOLYTE CLARKI	96	0
	NATANTIA ZOEA	32	0
POLYCHAETA	NEREIS SPECIES	32	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 22 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	286	4
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANUS GLACIALIS	12	1
	CALANUS PLUMCHRUS	2	0
	EPILABIDOCERA AMPHITRITES	2	0
	EUCALANUS BUNGI BUNGI	2	0
	PSEUDOCALANUS MINUTUS	28	0
	TORTANUS DISCAUDATUS	22	0
CIRRIPEDIA	CYPRIS LARVA	4	0

CNIDARIA	CORYNE TUBULOSA	16	0
	EPIACTUS PROLIFERA	2682	95
	RATHKEA OCTOPUNCTATA	10	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	6	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
NATANTIA	NATANTIA ZOEA	.	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 110 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	32	0
	PUGETTIA RICHII	15	0
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANUS GLACIALIS	88	5
	EUCALANUS BUNGI BUNGI	8	0
	PSEUDOCALANUS MINUTUS	312	5
	TORTANUS DISCAUDATUS	24	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
CNIDARIA	TUBULARIA PROLIFER	144	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	24	0
	CALLIOPIELLA PRATTI	264	0
	ISCHYROCERUS ANGUIPES	144	0
	ODIUS SPECIES (CARANATA GROUP)	64	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	0
	PONTOGENEIA INERMIS	1800	90
HARPACTICOIDA	HARPACTICOID SPECIES	128	0
	HARPACTICUS SPECIES	96	0
	PORCELLIDIUM SARSI	24	0
MOLLUSCA	LACUNA CARINATA	24	0
NATANTIA	HEPTACARPUS CARINATUS	88	0
	NATANTIA ZOEA	56	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 18 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	453	3
	PUGETTIA RICHII	1	30
CALANOIDA	ACARTIA LONGIREMUS	86	0
	AETEDIUS ARMATUS	13	0

	CALANOID COPEDID	7	0
	CALANUS GLACIALIS	563	4
	CALANUS PACIFICUS	101	0
	CALANUS PLUMCHRUS	5	0
	EPILABIDOCERA AMPHITRITES	10	0
	EUCALANUS BUNGI BUNGI	5	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	904	7
	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	34	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	SAGITTA SPECIES	9	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	EPIACTUS PROLIFERA	2152	56
	RATHKEA OCTOPUNCTATA	8	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	3	0
	ISCHYROCERUS ANGUIPES	14	0
	ODIUS SPECIES (CARANATA GROUP)	5	0
	PONTOGENEIA INERMIS	18	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	26	0
HYPERIDEA	PARATHEMISTO SPECIES	3	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	60	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 25 SAMPLE VOLUME = 20 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	330	10
BRYOZOA	CYPHONAUTES LARVA	6	0
CALANOIDA	CALANOID COPEDID	18	0
	CALANUS GLACIALIS	6	0
	CALANUS PACIFICUS	24	0
	CALANUS PLUMCHRUS	620	30
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	28	0
	EURYTEMORA HIRUNDOIDES	2	0
	PARACALANUS PARVIS	274	10
	PSEUDOCALANUS MINUTUS	44	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	36	0
CHAETOGNATHA	SAGITTA SPECIES	34	5
CIRRIPEDIA	BARNACLE NAUPLII	956	40
CLADOCERA	EVADNE NORMANI	6	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	CORYNE TUBULOSA	6	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0

	ODIUS SPECIES (CARANATA GROUP)	2	1
	PONTOGENEIA INERMIS	6	2
	PONTOGENEIA INTERMEDIA	6	2
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	86	0
MOLLUSCA	GASTROPODA JUVENILE	96	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 25 SAMPLE VOLUME = 320 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	32	0
BRACHYURA	PUGETTIA RICHII	29	5
CALANOIDA	AETEDIUS ARMATUS	32	0
	PSEUDOCALANUS MINUTUS	32	0
	TORTANUS DISCAUDATUS	32	0
CNIDARIA	EPIACTUS PROLIFERA	1	0
	TUBULARIA PROLIFER	32	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	64	0
	CALLIOPIELLA PRATTI	2368	6
	ISCHYROCERUS ANGUIPES	1120	3
	ODIUS SPECIES (CARANATA GROUP)	96	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	0
	PONTOGENEIA INERMIS	26528	86
HARPACTICOIDA	HARPACTICOID SPECIES	256	0
	HARPACTICUS SPECIES	160	0
ISOPODA	IDOTEA RUFESCENS	32	0
MOLLUSCA	LACUNA CARINATA	96	0
NATANTIA	HIPPOLYTE CLARKI	128	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 25 SAMPLE VOLUME = 70 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	152	1
CALANOIDA	CALANUS GLACIALIS	28	0
	MONSTRILLA SPECIES	4	0
	PSEUDOCALANUS MINUTUS	12	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	4	0
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	8216	99
CUMACEAE	LAMPROPS QUADRIPLICATA	8	0
GAMMARIDEA	PONTOGENEIA INTERMEDIA	8	0
MOLLUSCA	GASTROPODA JUVENILE	4	0

NATANTIA	NATANTIA ZOEA	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 25 SAMPLE VOLUME = 73 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	136	1
	PUGETTIA RICHII	8	5
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	72	0
	CALANUS GLACIALIS	16	0
	EUCALANUS BUNGI BUNGI	16	0
	METRIDIA PACIFICA	152	1
	MONSTRILLA SPECIES	8	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	328	1
	SCOLOCITHRICELLA MINOR	80	1
	TORTANUS DISCAUDATUS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	8	0
CNIDARIA	CORYNE TUBULOSA	8	1
	EPIACTUS PROLIFERA	8	0
	OBELIA LONGISSIMA	8	0
	TUBULARIA PROLIFER	7088	89
COTTIDAE	COTTID SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	24	0
	ISCHYROCERUS ANGUIPES	16	0
	ODIUS SPECIES (CARANATA GROUP)	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	16	0
	PONTOGENEIA INTERMEDIA	8	0
HARPACTICOIDA	HARPACTICUS SPECIES	88	0
LARVACEA	OIKOPLEURA DIOICA	168	1
NATANTIA	NATANTIA ZOEA	16	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 29 SAMPLE VOLUME = 560 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA RICHII	125	30
CALANOIDA	CALANUS GLACIALIS	2	0
CNIDARIA	EPIACTUS PROLIFERA	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	CALLIOPIELLA PRATTI	110	3
	ISCHYROCERUS ANGUIPES	190	4
	ODIUS SPECIES (CARANATA GROUP)	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	1476	63

HARPACTICOIDA	HARPACTICOID SPECIES	54	0
	HARPACTICUS SPECIES	24	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	PENTIDOTEA RESECTA	1	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	6	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 29 SAMPLE VOLUME = 42 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	36	0
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	4	0
	CALANUS GLACIALIS	104	1
	EUCALANUS BUNGI BUNGI	12	0
	PSEUDOCALANUS MINUTUS	16	0
	TORTANUS DISCAUDATUS	4	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	TUBULARIA PROLIFER	6296	99
GAMMARIDEA	CALLIOPIELLA PRATTI	12	0
	PONTOGENEIA INERMIS	16	0
	SYNCHELIDIUM SHOEMAKERI	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	36	0
	PORCELLIDIUM SARSI	8	0
MOLLUSCA	GASTROPODA JUVENILE	20	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 29 SAMPLE VOLUME = 240 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	32	0
	PUGETTIA GRACILIS	2	2
	PUGETTIA RICHII	24	7
CALANOIDA	ACARTIA LONGIREMUS	16	0
	AETEDIUS ARMATUS	32	0
	METRIDIA PACIFICA	48	0
	PSEUDOCALANUS MINUTUS	16	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CNIDARIA	EPIACTUS PROLIFERA	16	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1120	10
	CALLIOPIELLA PRATTI	2576	10
	ISCHYROCERUS ANGUIPES	784	3
	ODIUS SPECIES (CARANATA GROUP)	544	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	64	0
	PONTOGENEIA INERMIS	12080	63
	SYNCHELIDIUM SHOEMAKERI	48	0

HARPACTICOIDA	HARPACTICOID SPECIES	1536	1
	HARPACTICUS SPECIES	2112	3
	PORCELLIDIUM SARSI	32	0
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	32	0
	PENTIDOTEA RESECTA	4	1
MOLLUSCA	GASTROPODA JUVENILE	32	0
	LACUNA CARINATA	96	0
	MYTILUS EDULIS	16	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	32	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	0
	HEPTACARPUS CARINATUS	32	0
	HIPPOLYTE CLARKI	32	0
	NATANTIA ZOEA	144	0
PHOLIDAE	APODICHTHYS FLAVIDUS	16	0

LOCATION = GRAM YEAR = 1981 MONTH = 5 DAY = 29 SAMPLE VOLUME = 31 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	34	0
	PUGETTIA RICHII	2	0
CALANOIDA	ACARTIA LONGIREMUS	2	0
	AETEDIUS ARMATUS	20	0
	CALANUS GLACIALIS	70	1
	CENTROPHAGES ABDOMINALIS	2	0
	EUCALANUS BUNGI BUNGI	2	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	10	0
	CYPRIS LARVA	2	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	EPIACTUS PROLIFERA	2	0
	RATHKEA OCTOPUNCTATA	2	0
	SOLMISSUS MARSHALLI	2	0
	TUBULARIA PROLIFER	4862	99
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	16	0
	ODIUS SPECIES (CARANATA GROUP)	16	0
	PONTOGENEIA INERMIS	24	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	PORCELLIDIUM SARSI	2	0
MOLLUSCA	GASTROPODA JUVENILE	20	0
TURBELLARIA	TURBELLARIA SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 25 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	608	40
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	22	0
	AETEDIUS ARMATUS	14	0
	CALANOID NAUPLII	20	0
	CALANUS GLACIALIS	46	5
	CENTROPHAGES ABDOMINALIS	6	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	14	0
	METRIDIA PACIFICA	10	0
	PSEUDOCALANUS MINUTUS	146	5
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	6	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	66	0
	CYPRIS LARVA	26	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	6	0
CNIDARIA	AGLANTHA DIGITALE	8	0
	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	44	5
	RATHKEA OCTOPUNCTATA	76	5
	TUBULARIA PROLIFER	294	30
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	24	0
	PONTOGENEIA INTERMEDIA	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	22	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	2	0
	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	282	10
MOLLUSCA	GASTROPODA JUVENILE	12	0
	LIRULARIA SPECIES	4	0
	TURBONILLA VALDEZI	2	0
NATANTIA	NATANTIA ZOEA	156	0
POLYCHAETA	SPIONIDAE SPECIES	2	0
STICHAEIDAE	STICHAEIDAE SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 17 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	56	0
	PUGETTIA RICHII	1	0
CALANOIDA	ACARTIA LONGIREMUS	21	0
	AETEDIUS ARMATUS	12	0
	CALANOID NAUPLII	10	0
	CALANUS GLACIALIS	13	2
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	68	3
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	3	0
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	19	0
	CYPRIS LARVA	34	0
CNIDARIA	AGLANTHA DIGITALE	6	0
	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	4	0
	EUPHYSA TENTACULATA	6	0
	HALICLYSTUS AURICULA	1	0
	RATHKEA OCTOPUNCTATA	42	0
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	964	90
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
FISH	FISH EGGS	6	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	41	5
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	3	0
	ODIUS SPECIES (CARANATA GROUP)	3	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	PORCELLIDIUM SARSI	2	0
INSECTA	CHIRONIMIDAE ADULT	1	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	1	0
MOLLUSCA	GASTROPODA JUVENILE	3	0
	LACUNA CARINATA	16	0
	TURBONILLA VALDEZI	1	0
NATANTIA	NATANTIA ZOEA	4	0
POLYCHAETA	AUTOLYTUS SPECIES	3	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 40 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	160	0
	PUGETTIA RICHII	2	8
CALANOIDA	ACARTIA LONGIREMUS	12	0
	AETEDIUS ARMATUS	12	0
	CALANUS GLACIALIS	32	3
	CENTROPHAGES ABDOMINALIS	4	0
	METRIDIA PACIFICA	24	1
	PSEUDOCALANUS MINUTUS	64	5
	SCOLOCITHRICELLA MINOR	16	1
CIRRIPEDIA	BARNACLE NAUPLII	20	0
	CYPRIS LARVA	112	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	16	0
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	152	9
CUMACEAE	CUMELLA SPECIES	4	0
FISH	FISH EGGS	4	0
	FISH LARVAE	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	16	0
	CALLIOPIELLA PRATTI	808	44
	ISCHYROCERUS ANGUIPES	20	0
	ODIUS SPECIES (CARANATA GROUP)	16	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	24	0
	PONTOGENEIA INERMIS	180	9
HARPACTICOIDA	HARPACTICOID SPECIES	368	9
	HARPACTICUS SPECIES	272	9
	PORCELLIDIUM SARSI	4	0
INSECTA	CHIRONOMIDAE LARVAE	4	0
ISOPODA	IDOTEA OCHOTENSIS	4	0
	IDOTEA UROTOMA	4	0
	PENTIDOTEA RESECTA	1	1
LARVACEA	OIKOPLEURA DIOICA	108	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	64	0
NATANTIA	CRANGON SPECIES	1	1
	NATANTIA ZOEA	20	0
NEMATODA	NEMATODA SPECIES	4	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	SYLLIS SPECIES	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 15 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	164	2
	PUGETTIA RICHII	1	25
CALANOIDA	ACARTIA LONGIREMUS	12	0
	AETEDIUS ARMATUS	64	0
	CALANUS GLACIALIS	13	0
	EUCALANUS BUNGI BUNGI	7	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	41	0
	SCAPHOCALANUS BREVICORNIS	15	0
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	3	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	37	0
	CYPRIS LARVA	262	3
CNIDARIA	BLACKFORDIA SPECIES	4	25
	CORYNE PRINCEPS	1	0
	CORYNE TUBULOSA	12	0
	RATHKEA OCTOPUNCTATA	51	0
	TUBULARIA CHRISTINAE	8	0
	TUBULARIA PROLIFER	1072	45
CUMACEAE	LEPTOCUMA SPECIES	1	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	38	0
	ISCHYROCERUS ANGUIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	3	0
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	23	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	1	0
	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	95	0
MOLLUSCA	LACUNA CARINATA	9	0
NATANTIA	NATANTIA ZOEA	36	0
POLYCHAETA	NEREIS SPECIES	1	0
	SPIONIDAE SPECIES	27	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 275 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	4	0
	PUGETTIA RICHII	48	20
CALANOIDA	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	2	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CNIDARIA	EPIACTUS PROLIFERA	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	8	0
	CALLIOPIELLA PRATTI	542	16
	ISCHYROCERUS ANGUIPES	346	8
	ODIUS SPECIES (CARANATA GROUP)	14	0
	PARAPLEUSTES PUGETTENSIS	2	0
	PHOTIS BREVIPES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	6	0
	PONTOGENEIA INERMIS	1384	40
HARPACTICOIDA	HARPACTICOID SPECIES	1590	12
	HARPACTICUS SPECIES	388	4
	PORCELLIDIUM SARSI	14	0
ISOPODA	MUNNA STEPHENSONI	6	0
	PENTIDOTEA RESECTA	1	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	112	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	2	0
NATANTIA	NATANTIA ZOEA	4	0
NEMERTEA	NEMERTEA SPECIES	2	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	POLYCHAETA SPECIES	6	0
	SYLLIS SPECIES	2	0
TURBELLARIA	TURBELLARIA SPECIES	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 15 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	45	0
CALANOIDA	ACARTIA LONGIREMUS	6	0
	AETEDIUS ARMATUS	5	0
	CALANUS GLACIALIS	13	0
	EPILABIDOCERA AMPHITRITES	3	0
	EUCALANUS BUNGI BUNGI	1	0
	PSEUDOCALANUS MINUTUS	22	0

CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	3	0
CIRRIPEDIA	BARNACLE NAUPLII	1	0
	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	6	0
CNIDARIA	AGLANTHA DIGITALE	3	0
	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	13	0
	RATHKEA OCTOPUNCTATA	163	5
	TUBULARIA PROLIFER	1548	95
CUMACEAE	CUMELLA SPECIES	1	0
FISH	FISH EGGS	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	7	0
	HARPACTICUS SPECIES	17	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
MOLLUSCA	GASTROPODA JUVENILE	18	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	20	0
POLYCHAETA	SYLLIS SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 160 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	32	0
	PUGETTIA RICHII	14	16
CALANOIDA	PSEUDOCALANUS MINUTUS	16	0
CNIDARIA	EPIACTUS PROLIFERA	1	1
	TUBULARIA PROLIFER	16	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	272	4
	CALLIOPIELLA PRATTI	3184	32
	ISCHYROCERUS ANGUIPES	448	0
	ODIUS SPECIES (CARANATA GROUP)	304	4
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	0
	PONTOGENEIA INERMIS	1680	24
HARPACTICOIDA	HARPACTICOID SPECIES	2608	4
	HARPACTICUS SPECIES	1616	4
	PORCELLIDIUM SARSI	16	0
ISOPODA	PENTIDOTEA RESECTA	16	0
MOLLUSCA	GASTROPODA JUVENILE	80	0
	LACUNA CARINATA	544	8
	MARGARITES PUPILLIS	1	2
MYSIDACEAE	ACANTHOMYSIS SCULPTA	16	0
NATANTIA	HIPPOLYTE CLARKI	16	0
	NATANTIA ZOEA	96	0
OSTRACODA	OSTRACODA SPECIES	32	0
PHOLIDAE	APODICHTHYS FLAVIDUS	1	1

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 9 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	11	0
CALANOIDA	ACARTIA LONGIREMUS	3	0
	CALANUS GLACIALIS	11	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	2	0
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	9	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	11	0
	TUBULARIA PROLIFER	891	70
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	6	0
GAMMARIDEA	CALLIOPIELLA PRATTI	21	0
	ISCHYROCERUS ANGUIPES	5	0
	ODIUS SPECIES (CARANATA GROUP)	8	0
	PARAPLEUSTES PUGETTENSIS	3	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	3	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	60	0
	HARPACTICUS SPECIES	414	30
	PORCELLIDIUM SARSI	1	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	25	0
	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	7	0
NATANTIA	NATANTIA ZOEA	4	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 32 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	160	0
CALANOIDA	ACARTIA LONGIREMUS	24	0
	CALANOID COPEDID	28	0
	CALANUS GLACIALIS	62	0
	CENTROPHAGES ABDOMINALIS	56	0

	EPILABIDOCERA AMPHITRITES	12	0
	MICROCALANUS PYGMAEUS	2	0
	PSEUDOCALANUS MINUTUS	728	20
	SCOLOCITHRICELLA MINOR	10	0
	TORTANUS DISCAUDATUS	56	0
CHAETOGNATHA	SAGITTA SPECIES	14	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	EVADNE NORMANI	2	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	20	0
	CORYNE TUBULOSA	14	0
	EUPHYSA TENTACULATA	10	0
	RATHKEA OCTOPUNCTATA	82	0
	TUBULARIA PROLIFER	1006	70
CTENOPHORA	PLEUROBRANCHIA BACHEI	52	0
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	14	0
	FISH LARVAE	6	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	6	0
	PONTOGENEIA INERMIS	40	0
HARPACTICOIDA	HARPACTICOID SPECIES	24	0
	HARPACTICUS SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	296	5
MOLLUSCA	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	200	5

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 57 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	44	0
	BRACHYURA ZOEA	352	5
CALANOIDA	ACARTIA LONGIREMUS	60	0
	CALANOID COPEPID	36	0
	CALANUS GLACIALIS	104	2
	CENTROPHAGES ABDOMINALIS	24	0
	EPILABIDOCERA AMPHITRITES	24	0
	PSEUDOCALANUS MINUTUS	584	8
	SCOLOCITHRICELLA MINOR	20	0
	TORTANUS DISCAUDATUS	32	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
	CAPRELLA LEVIUSCULA	4	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	92	0
	CORYNE TUBULOSA	16	0
	RATHKEA OCTOPUNCTATA	60	0

	TUBULARIA PROLIFER	3324	85
CTENOPHORA	PLEUROBRANCHIA BACHEI	80	0
FISH	FISH EGGS	4	0
GAMMARIDEA	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	20	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	260	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 40 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	60	0
	PUGETTIA GRACILIS	3	0
	TELMESSUS CHEIRAGONUS	1	20
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANOID COPEDID .	12	0
	CALANUS GLACIALIS	88	8
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	596	24
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	44	0
CIRRIPEDIA	BARNACLE NAUPLII	12	0
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	4	0
	RATHKEA OCTOPUNCTATA	28	0
	TUBULARIA PROLIFER	432	32
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	0
FISH	FISH LARVAE	8	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	AOROIDES COLUMBIAE	4	0
	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	52	4
	ISCHYROCERUS ANGUIPES	12	1
	ODIUS SPECIES (CARANATA GROUP)	16	1
	PHOTIS BREVIPES	24	1
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	1
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	80	0
	HARPACTICUS SPECIES	104	0
	PORCELLIDIUM SARSI	8	0

HYPERIDEA	PARATHEMISTO SPECIES	4	0
INSECTA	CHIRONOMIDAE LARVAE	4	0
ISOPODA	IDOTEA RUFESCENS	16	0
	IDOTEA UROTOMA	32	0
LARVACEA	OIKOPLEURA DIOICA	12	0
MOLLUSCA	LACUNA CARINATA	296	8
NATANTIA	HEPTACARPUS CARINATUS	8	0
	HEPTACARPUS STYLUS	4	0
	NATANTIA ZOEA	68	0
NEMATODA	NEMATODA SPECIES	8	0
OSTRACODA	OSTRACODA SPECIES	8	0
PHOLIDAE	PHOLIDAE SPECIES	4	0
POLYCHAETA	POLYCHAETA SPECIES	16	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 85 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	136	0
CALANOIDA	ACARTIA LONGIREMUS	40	0
	AETEDIUS ARMATUS	48	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	120	0
	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	688	10
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	32	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	24	0
	EUPHYSA SPECIES	16	0
	RATHKEA OCTOPUNCTATA	120	0
	TUBULARIA CHRISTINAE	8	0
	TUBULARIA PROLIFER	5696	90
CTENOPHORA	PLEUROBRANCHIA BACHEI	128	0
FISH	FISH EGGS	8	0
	FISH LARVAE	24	0
GAMMARIDEA	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	160	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	8	0
LARVACEA	OIKOPLEURA DIOICA	40	0
MOLLUSCA	LACUNA CARINATA	48	0
NATANTIA	NATANTIA ZOEA	48	0
POLYCHAETA	SYLLIS SPECIES	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 6 DAY = 30 SAMPLE VOLUME = 10 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	60	0
CALANOIDA	ACARTIA LONGIREMUS	35	2
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	6	0
	CALANOID NAUPLII	5	0
	CALANUS GLACIALIS	12	0
	CENTROPHAGES ABDOMINALIS	16	1
	EPILABIDOCERA AMPHITRITES	5	0
	METRIDIA PACIFICA	3	0
	MICROCALANUS PYGMAEUS	11	1
	PSEUDOCALANUS MINUTUS	130	5
	SCOLOCITHRICELLA MINOR	17	1
	TORTANUS DISCAUDATUS	23	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	710	50
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	81	0
	PODON POLYPHEMOIDES	164	5
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	7	0
	EUPHYSA TENTACULATA	2	0
	LEUKARTIARA SPECIES	1	0
	OBELIA LONGISSIMA	7	0
	RATHKEA OCTOPUNCTATA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	110	30
FISH	FISH EGGS	7	0
	FISH LARVAE	1	0
GAMMARIDEA	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	3	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	197	5
MOLLUSCA	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	62	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0
	SPIONIDAE SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 170 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	80	0
CALANOIDA	CALANUS GLACIALIS	64	0
	PSEUDOCALANUS MINUTUS	384	0
	TORTANUS DISCAUDATUS	32	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CLADOCERA	EVADNE NORMANI	96	0
	PODON POLYPHEMOIDES	80	0
CNIDARIA	CORYNE TUBULOSA	16	0
	TUBULARIA PROLIFER	19952	100
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	HARPACTICUS SPECIES	32	0
MOLLUSCA	LACUNA CARINATA	80	0
NATANTIA	NATANTIA ZOEA	80	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 250 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANUS GLACIALIS	6	0
	PSEUDOCALANUS MINUTUS	10	0
	TORTANUS DISCAUDATUS	1	0
CNIDARIA	TUBULARIA PROLIFER	1011	100
FISH	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	11	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	1	0
MOLLUSCA	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 28 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	38	0
	PUGETTIA RICHII	1	10
CALANOIDA	ACARTIA LONGIREMUS	6	0
	AETEDIUS ARMATUS	24	0

	CALANUS GLACIALIS	78	0
	CENTROPHAGES ABDOMINALIS	8	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	896	36
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	30	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	1216	54
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CUMACEAE	CUMELLA SPECIES	2	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FISH	FISH LARVAE	16	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	48	0
	HYALE FREQUENS	6	0
	ISCHYROCERUS ANGUIPES	6	0
	ODIUS SPECIES (CARANATA GROUP)	12	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	36	0
	HARPACTICUS SPECIES	70	0
ISOPODA	IDOTEA RUFESCENS	30	0
	IDOTEA UROTOMA	22	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	LACUNA CARINATA	84	0
NATANTIA	HEPTACARPUS CARINATUS	6	0
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	18	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 7 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	1	0
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	3	0
	CALANUS GLACIALIS	33	5
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	2	0
	EUCALANUS BUNGI BUNGI	1	0
	PSEUDOCALANUS MINUTUS	79	5
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	10	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CNIDARIA	CORYNE TUBULOSA	6	0
	RATHKEA OCTOPUNCTATA	3	0
	TUBULARIA PROLIFER	419	80
CUMACEAE	CUMELLA SPECIES	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH LARVAE	6	0

GAMMARIDEA	CALLIOPIELLA PRATTI	6	3
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	5	2
	PARAPLEUSTES PUGETTENSIS	5	2
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PLEUSTES SPECIES GROUP D	1	0
	PONTOGENEIA INERMIS	7	3
HARPACTICOIDA	PORCELLIDIUM SARSI	3	0
INSECTA	CHIRONIMIDAE ADULT	1	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	10	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	5	0
NATANTIA	HEPTACARPUS CARINATUS	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 27 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	4	0
	PUGETTIA RICHII	2	20
CALANOIDA	ACARTIA LONGIREMUS	36	3
	AETEDIUS ARMATUS	10	1
	CALANOID NAUPLII	8	0
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	2	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	86	5
	SCOLOCITHRICELLA MINOR	6	1
	TORTANUS DISCAUDATUS	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	EVADNE NORMANI	4	0
CNIDARIA	CORYNE TUBULOSA	2	0
	EUPHYSA TENTACULATA	2	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	18	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	20	0
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	76	15
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	14	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PONTOGENEIA INERMIS	18	5
HARPACTICOIDA	HARPACTICOID SPECIES	44	5
	HARPACTICUS SPECIES	62	5
LARVACEA	OIKOPLEURA DIOICA	224	40
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	18	0

NATANTIA	NATANTIA ZOEA	28	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 13 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2	0
CALANOIDA	ACARTIA LONGIREMUS	44	10
	AETEDIUS ARMATUS	2	0
	CALANOID NAUPLII	8	0
	CALANUS GLACIALIS	31	10
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	101	20
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	7	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	3	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CLADOCERA	EVADNE NORMANI	5	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
	EUPHYSA TENTACULATA	1	0
	TUBULARIA PROLIFER	81	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	11	0
CYCLOPOIDA	ONCAEA BOREALIS	1	0
FISH	FISH EGGS	15	0
	FISH LARVAE	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
	PARAPLEUSTES PUGETTENSIS	9	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	26	0
	HARPACTICUS SPECIES	3	0
ISOPODA	IDOTEA RUFESCENS	3	0
LARVACEA	OIKOPLEURA DIOICA	235	50
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	39	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	5	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 32 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	40	0
	PUGETTIA RICHII	1	12
CALANOIDA	ACARTIA LONGIREMUS	18	1
	AETEDIUS ARMATUS	16	1
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	114	6
	SCOLOCITHRICELLA MINOR	10	0
	TORTANUS DISCAUDATUS	68	3
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	TUBULARIA PROLIFER	24	0
COTTIDAE	BLEPSIAS CIRRHOSUS	1	16
CYCLOPTERIDAE	LIPARIS FLORAE	1	2
FISH	FISH EGGS	6	0
	FISH LARVAE	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	10	0
	CALLIOPIELLA PRATTI	350	37
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	4	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	26	0
HARPACTICOIDA	HARPACTICOID SPECIES	140	3
	HARPACTICUS SPECIES	504	9
ISOPODA	IDOTEA RUFESCENS	26	0
	IDOTEA UROTOMA	10	0
	PENTIDOTEA RESECTA	1	2
LARVACEA	OIKOPLEURA DIOICA	20	0
MOLLUSCA	LACUNA CARINATA	84	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	2	0
	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	1	8
	NATANTIA ZOEA	116	0
OSTRACODA	OSTRACODA SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 22 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	18	0
	PUGETTIA RICHII	1	20
CALANOIDA	ACARTIA LONGIREMUS	102	8
	AETEDIUS ARMATUS	16	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	30	0
	EPILABIDOCERA AMPHITRITES	12	0
	PSEUDOCALANUS MINUTUS	204	24
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	14	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	18	0
	PODON POLYPHEMOIDES	14	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	6	0
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	172	24
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	0
FISH	FISH EGGS	32	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	2	0
	ODIUS SPECIES (CARANATA GROUP)	6	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	30	0
	HARPACTICUS SPECIES	14	0
INSECTA	DIPTERA LARVAE	4	0
ISOPODA	IDOTEA RUFESCENS	6	0
	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	144	8
MOLLUSCA	EUBRANCHUS OLIVACEUS	10	0
	LACUNA CARINATA	190	16
NATANTIA	HEPTACARPUS CARINATUS	6	0
	NATANTIA ZOEA	16	0
OSTRACODA	OSTRACODA SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 30 SAMPLE VOLUME = 5 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8	0
CALANOIDA	ACARTIA LONGIREMUS	122	20
	CALANOID COPEDID	5	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	16	5
	EPILABIDOCERA AMPHITRITES	5	0
	PSEUDOCALANUS MINUTUS	3	0
	TORTANUS DISCAUDATUS	3	0
CIRRIPEDIA	BARNACLE NAUPLII	166	25
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	28	5
	PODON POLYPHEMOIDES	43	5
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	5
CYCLOPOIDA	ONCAEA BOREALIS	5	0
FISH	FISH EGGS	12	0
GAMMARIDEA	CALLIOPIELLA PRATTI	3	0
HARPACTICOIDA	PORCELLIDIUM SARSI	1	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	234	35
MOLLUSCA	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 30 SAMPLE VOLUME = 12 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	39	0
CALANOIDA	ACARTIA LONGIREMUS	30	2
	AETEDIUS ARMATUS	11	0
	CALANOID COPEDID	20	2
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	13	2
	CENTROPHAGES ABDOMINALIS	30	2
	EPILABIDOCERA AMPHITRITES	11	0
	METRIDIA PACIFICA	3	0
	PSEUDOCALANUS MINUTUS	40	2
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	13	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	718	50

	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	37	0
	PODON POLYPHEMOIDES	71	0
CNIDARIA	BLACKFORDIA SPECIES	9	0
	EUPHYSA TENTACULATA	5	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	10	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	42	10
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
FISH	FISH EGGS	15	0
	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	126	0
	HYALE FREQUENS	3	0
	ISCHYROCERUS ANGUIPES	2	0
	ODIUS SPECIES (CARANATA GROUP)	4	0
	PLEUSTES SPECIES GROUP D	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	22	0
	HARPACTICUS SPECIES	170	10
	PORCELLIDIUM SARSI	1	0
LARVACEA	OIKOPLEURA DIOICA	147	10
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	167	10
POLYCHAETA	POLYCHAETA SPECIES	2	0

LOCATION = GRAM YEAR = 1981 MONTH = 7 DAY = 30 SAMPLE VOLUME = 9 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	27	0
CALANOIDA	ACARTIA LONGIREMUS	119	5
	CALANOID COPEDID	23	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	29	1
	EPILABIDOCERA AMPHITRITES	34	1
	MICROCALANUS PYGMAEUS	1	0
	PSEUDOCALANUS MINUTUS	71	3
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	4	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	173	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	201	5
	PODON POLYPHEMOIDES	147	5
CNIDARIA	BLACKFORDIA SPECIES	8	5
	CORYNE TUBULOSA	7	5
	EUPHYSA TENTACULATA	1	0

	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	80	30
FISH	FISH EGGS	10	0
	FISH LARVAE	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	21	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	370	30
MOLLUSCA	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	56	10

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 260 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	16	0
	PUGETTIA RICHII	1	2
CALANOIDA	AETEDIUS ARMATUS	32	0
	CALANOID COPEDID	16	0
	EPILABIDOCERA AMPHITRITES	16	0
	METRIDIA PACIFICA	32	0
	PSEUDOCALANUS MINUTUS	480	4
	SCAPHOCALANUS BREVICORNIS	272	2
	TORTANUS DISCAUDATUS	128	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	240	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	112	0
CNIDARIA	CORYNE TUBULOSA	16	0
	EPIACTUS PROLIFERA	32	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	1
GAMMARIDEA	CALLIOPIELLA PRATTI	2704	9
	ISCHYROCERUS ANGUIPES	2704	9
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	0
	PONTOGENEIA INERMIS	2064	9
	PONTOGENEIA ROSTRATA	12864	58
HARPACTICOIDA	HARPACTICOID SPECIES	224	1
	HARPACTICUS SPECIES	496	1
	PORCELLIDIUM SARSI	16	0
MOLLUSCA	LACUNA CARINATA	192	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	32	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	48	0
	NATANTIA ZOEA	96	0
	PANDALUS HYPSINOTUS	1	2
POLYCHAETA	NEREIS SPECIES	32	0
	POLYNOIDA SPECIES	96	0
	SPIONIDAE SPECIES	16	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 62 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
		4	0
BRACHYURA	BRACHYURA ZOEA	56	5
CALANOIDA	ACARTIA LONGIREMUS	192	5
	AETEDIUS ARMATUS	12	0
	CALANOID COPEDID	320	20
	CALANOID NAUPLII	4	0
	CALANUS GLACIALIS	16	0
	CALANUS PACIFICUS	120	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	52	5
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	196	20
	SCAPHOCALANUS BREVICORNIS	92	15
	TORTANUS DISCAUDATUS	100	15
CAPRELLIDEA	CAPRELLA EQUILIBRIA	20	0
CHAETOGNATHA	SAGITTA SPECIES	36	0
CIRRIPEDIA	BARNACLE NAUPLII	128	0
CLADOCERA	EVADNE NORMANI	108	0
	PODON POLYPHEMOIDES	268	0
CNIDARIA	BLACKFORDIA SPECIES	60	0
	CORYNE TUBULOSA	56	0
	OBELIA LONGISSIMA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	20	4
	ISCHYROCERUS ANGUIPES	4	1
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	1
	PONTOGENEIA INERMIS	28	4
	PONTOGENEIA ROSTRATA	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	32	0
ISOPODA	IDOTEA RUFESCENS	12	0
	MUNNA STEPHENSONI	4	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	28	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	4	0
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	48	5
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 320 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA RICHII	125	14
CALANOIDA	ACARTIA LONGIREMUS	32	0
	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	64	0
	CENTROPHAGES ABDOMINALIS	192	0
	MONSTRILLA SPECIES	32	0
	PSEUDOCALANUS MINUTUS	384	0
	SCOLOCITHRICELLA MINOR	96	0
	TORTANUS DISCAUDATUS	64	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	96	0
CIRRIPEDIA	BARNACLE NAUPLII	224	0
CLADOCERA	EVADNE NORMANI	32	0
	PODON POLYPHEMOIDES	224	0
CNIDARIA	EPIACTUS PROLIFERA	32	0
	EUPHYSA SPECIES	32	0
FISH	FISH EGGS	32	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	32	0
	ANONYX SPECIES	32	0
	CALLIOPIELLA PRATTI	4320	16
	ISCHYROCERUS ANGUIPES	2304	8
	ODIUS SPECIES (CARANATA GROUP)	32	0
	PARAPLEUSTES PUGETTENSIS	96	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	160	0
	PLEUSTES SPECIES GROUP D	64	0
	PONTOGENEIA INERMIS	7168	24
HARPACTICOIDA	HARPACTICOID SPECIES	6432	8
	HARPACTICUS SPECIES	19808	24
	PORCELLIDIUM SARSI	128	0
ISOPODA	MUNNA STEPHENSONI	64	0
	PENTIDOTEA RESECTA	10	0
MOLLUSCA	LACUNA CARINATA	640	0
	PELECYPODA JUVENILE	32	0
MYSIDACEAE	ACANTHOMYSIS SCULPTA	64	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	32	0
	HEPTACARPUS CARINATUS	35	2
	HIPPOLYTE CLARKI	10	0
	NATANTIA ZOEA	1184	0
	PANDALOPSIS DISPAR	60	4
	SCLEROCRANGON BOREAS	5	0
OSTRACODA	OSTRACODA SPECIES	32	0
POLYCHAETA	NEREIS SPECIES	96	0
	SYLLIS SPECIES	32	0
TANAIDACEA	LEPTOGNATHIA GRACILIS	32	0
TURBELLARIA	TURBELLARIA SPECIES	32	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 45 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	4	0
CALANOIDA	ACARTIA LONGIREMUS	36	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	324	10
	CALANUS GLACIALIS	248	30
	CENTROPHAGES ABDOMINALIS	176	5
	EPILABIDOCERA AMPHITRITES	116	5
	PSEUDOCALANUS MINUTUS	760	20
	SCOLOCITHRICELLA MINOR	60	0
	TORTANUS DISCAUDATUS	348	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	116	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	108	0
	PODON POLYPHEMOIDES	1280	20
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	8	0
	EUPHYSA SPECIES	24	0
	OBELIA LONGISSIMA	12	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	CTENOPHORE SPECIES	88	0
CYCLOPOIDA	ONCAEA BOREALIS	4	0
FISH	FISH EGGS	36	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA INERMIS	20	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	36	0
MOLLUSCA	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	48	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 50 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	48	0
CALANOIDA	ACARTIA LONGIREMUS	20	0
	AETEDIUS ARMATUS	76	3
	CALANOID COPEDID	36	0
	CALANUS GLACIALIS	56	3
	CENTROPHAGES ABDOMINALIS	12	0
	EPILABIDOCERA AMPHITRITES	24	0

	METRIDIA PACIFICA	56	0
	PSEUDOCALANUS MINUTUS	436	10
	SCOLOCITHRICELLA MINOR	40	2
	TORTANUS DISCAUDATUS	72	2
CAPRELLIDEA	CAPRELLA EQUILIBRIA	28	0
	CAPRELLA LEVIUSCULA	12	0
CHAETOGNATHA	SAGITTA SPECIES	56	0
CIRRIPEDIA	BARNACLE NAUPLII	132	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	92	2
	PODON POLYPHEMOIDES	264	3
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	20	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	8	0
COTTIDAE	SYNCHIRUS GILLI	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	112	0
CYCLOPTERIDAE	LIPARIS FLORAE	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	168	0
	ISCHYROCERUS ANGUIPES	420	10
	PLEUSTES SPECIES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	1240	50
HARPACTICOIDA	HARPACTICOID SPECIES	60	0
	HARPACTICUS SPECIES	84	0
	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
ISOPODA	IDOTEA RUFESCENS	8	0
LARVACEA	OIKOPLEURA DIOICA	56	0
MOLLUSCA	LACUNA CARINATA	96	0
NATANTIA	CRANGON SPECIES	4	0
	NATANTIA ZOEA	348	15
POLYCHAETA	NEREIS SPECIES	52	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 20 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	80	10
CALANOIDA	ACARTIA LONGIREMUS	172	20
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	18	8
	CENTROPHAGES ABDOMINALIS	10	0
	EPILABIDOCERA AMPHITRITES	14	0
	METRIDIA PACIFICA	10	0
	PSEUDOCALANUS MINUTUS	62	5
	SCOLOCITHRICELLA MINOR	26	2
	TORTANUS DISCAUDATUS	82	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	156	0

	CYPRIS LARVA	8	0
CLADOCERA	EVADNE NORMANI	286	0
	PODON POLYPHEMOIDES	454	20
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	16	6
	CORYNE TUBULOSA	28	10
	OBELIA LONGISSIMA	10	4
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	28	0
CYCLOPOIDA	ONCAEA BOREALIS	2	0
GAMMARIDEA	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	2	1
	PONTOGENEIA INERMIS	2	1
	PONTOGENEIA INTERMEDIA	20	6
HARPACTICOIDA	HARPACTICOID SPECIES	8	2
	HARPACTICUS SPECIES	4	0
HYPERIDEA	PARATHEMISTO SPECIES	14	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	18	0
	MYTILUS EDULIS	2	0
NATANTIA	NATANTIA ZOEA	2	0
NEMATODA	NEMATODA SPECIES	10	0
POLYCHAETA	NEREIS SPECIES	2	0
		4	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 120 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	48	0
CALANOIDA	ACARTIA LONGIREMUS	40	0
	AETEDIUS ARMATUS	24	0
	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	56	3
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	16	0
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	120	2
	SCOLOCITHRICELLA MINOR	40	0
	TORTANUS DISCAUDATUS	64	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	32	0
CLADOCERA	EVADNE NORMANI	56	0
	PODON POLYPHEMOIDES	56	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2144	35
	HYALE FREQUENS	88	3
	ISCHYROCERUS ANGUIPES	464	5
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	2
	PONTOGENEIA INERMIS	2416	40
HARPACTICOIDA	HARPACTICOID SPECIES	408	0
	HARPACTICUS SPECIES	1312	10

ISOPODA	GNATHIA SPECIES	16	0
	IDOTEA RUFESCENS	8	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	LACUNA CARINATA	112	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	32	0
	HIPPOLYTE CLARKI	56	0
	NATANTIA ZOEA	24	0
NEMATODA	NEMATODA SPECIES	16	0
OSTRACODA	OSTRACODA SPECIES	24	0
POLYCHAETA	NEREIS SPECIES	104	0
	POLYCHAETA SPECIES	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 40 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	24	0
	PUGETTIA RICHII	2	12
CALANOIDA	ACARTIA LONGIREMUS	104	1
	CALANOID COPEDID	20	0
	CALANUS GLACIALIS	16	2
	CALANUS PACIFICUS	12	0
	EPILABIDOCERA AMPHITRITES	4	0
	PSEUDOCALANUS MINUTUS	100	2
	SCOLOCITHRICELLA MINOR	20	1
	TORTANUS DISCAUDATUS	68	1
CAPRELLIDEA	CAPRELLA LEVIUSCULA	8	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	8	0
CLADOCERA	EVADNE NORMANI	276	7
	PODON POLYPHEMOIDES	252	6
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	4	0
	OBELIA LONGISSIMA	4	0
	PERIGONIUM BREVICORNIS	4	12
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
GAMMARIDEA	AMPHITHOE LACERTOSA	4	0
	CALLIOPIELLA PRATTI	300	20
	ODIUS SPECIES (CARANATA GROUP)	4	0
	PONTOGENEIA INERMIS	96	7
	PONTOGENEIA INTERMEDIA	16	0
	PONTOGENEIA ROSTRATA	56	5
	PROTOMEDIA SPECIES	112	8
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	2	6
HARPACTICOIDA	HARPACTICOID SPECIES	168	3
	HARPACTICUS SPECIES	304	7
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA RUFESCENS	24	0
	MUNNA STEPHENSONI	4	0

LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	32	0
	LACUNA MARMORATA	8	0
NATANTIA	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	24	0
NEMATODA	NEMATODA SPECIES	4	0
POLYCHAETA	POLYCHAETA SPECIES	8	0
	SPIONIDAE SPECIES	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 23 SAMPLE VOLUME = 910 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
CALANOIDA	EPILABIDOCERA AMPHITRITES	64	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	64	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1664	0
	ISCHYROCERUS ANGUIPES	4288	0
	ODIUS SPECIES (CARANATA GROUP)	64	0
	PONTOGENEIA INERMIS	14336	10
	PONTOGENEIA ROSTRATA	90752	90
NATANTIA	HEPTACARPUS CARINATUS	64	0
	NATANTIA ZOEA	128	0
POLYCHAETA	NEREIS SPECIES	128	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 18 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	OREGONIA GRACILIS	1	10
	PUGETTIA RICHII	3	30
ISOPODA	PENTIDOTEA RESECTA	1	20
NATANTIA	HEPTACARPUS CARINATUS	4	40

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 15 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	32	0
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	30	0
	CALANUS GLACIALIS	23	0
	CENTROPHAGES ABDOMINALIS	4	0

	EPILABIDOCERA AMPHITRITES	8	0
	METRIDIA PACIFICA	30	0
	PARACALANUS PARVIS	9	0
	PSEUDOCALANUS MINUTUS	248	20
	TORTANUS DISCAUDATUS	51	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	13	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	20	0
	PODON POLYPHEMOIDES	15	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	21	10
	CORYNE PRINCEPS	4	5
	CORYNE TUBULOSA	23	10
	TUBULARIA PROLIFER	4	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	52	30
CYCLOPOIDA	ONCAEA BOREALIS	2	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	25	10
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	9	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	20	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	106	10
POLYCHAETA	POLYCHAETA SPECIES	2	0

LOCATION - GRAM YEAR - 1981 MONTH - 8 DAY - 28 SAMPLE VOLUME - 20 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	42	10
CALANOIDA	ACARTIA LONGIREMUS	2	0
	AETEDIUS ARMATUS	16	0
	CALANUS GLACIALIS	14	5
	CENTROPHAGES ABDOMINALIS	24	0
	METRIDIA PACIFICA	2	0
	MICROCALANUS PYGMAEUS	2	0
	PSEUDOCALANUS MINUTUS	86	10
	TORTANUS DISCAUDATUS	140	15
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	2	0
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	10	0
GAMMARIDEA	CALLIOPIELLA PRATTI	60	10
	HYALE FREQUENS	16	5

	ISCHYROCERUS ANGUIPES	16	5
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	74	10
	HARPACTICUS SPECIES	70	10
ISOPODA	IDOTEA RUFESCENS	2	0
	IDOTEA UROTOMA	2	0
MOLLUSCA	LACUNA CARINATA	44	0
NATANTIA	HEPTACARPUS CARINATUS	4	10
	NATANTIA ZOEA	34	10
POLYCHAETA	AUTOLYTUS SPECIES	4	0

LOCATION = GRAM YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 18 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	146	10
	PUGETTIA RICHII	1	0
CALANOIDA	ACARTIA LONGIREMUS	23	0
	AETEDIUS ARMATUS	17	0
	CALANOID COPEDID	3	0
	CALANUS GLACIALIS	4	0
	CALANUS PACIFICUS	3	0
	CENTROPHAGES ABDOMINALIS	85	10
	METRIDIA PACIFICA	2	0
	MICROCALANUS PYGMAEUS	3	0
	PSEUDOCALANUS MINUTUS	284	30
	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	112	10
CALICOIDA	CALIGUS SPECIES	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	19	0
CIRRIPEDIA	BARNACLE NAUPLII	11	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	3	0
CNIDARIA	AGLANTHA DIGITALE	6	1
	BLACKFORDIA SPECIES	10	4
	CORYNE TUBULOSA	9	4
	OBELIA LONGISSIMA	3	1
CTENOPHORA	PLEUROBRANCHIA BACHEI	36	10
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
CYCLOPOIDA	ONCAEA BOREALIS	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	CALLIOPIUS LAEVIUSCULUS	2	0
	ISCHYROCERUS ANGUIPES	24	10
	PONTOGENEIA INTERMEDIA	3	0
	STENOTHOE SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	7	0
	HARPACTICUS SPECIES	152	0

INSECTA	BRACHYDEUTERA SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	9	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	3	0
	LACUNA CARINATA	12	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	10
POLYCHAETA	AUTOLYTUS SPECIES	6	0
	POLYCHAETA SPECIES	2	0
	SPIONIDAE SPECIES	2	0
TURBELLARIA	NOTOPLANA SPECIES	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 1300ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	PUGETTIA RICHII	70	30
CALANOIDA	METRIDIA PACIFICA	256	0
	PSEUDOCALANUS MINUTUS	128	0
COTTIDAE	SYNCHIRUS GILLI	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	5760	5
	HYALE FREQUENS	128	0
	ISCHYROCERUS ANGUIPES	7040	5
	PONTOGENEIA INERMIS	132736	60
MOLLUSCA	MARGARITES PUPILLIS	1	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	0

LOCATION = GRAM YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 50 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	8	0
CALANOIDA	ACARTIA LONGIREMUS	24	0
	AETEDIUS ARMATUS	4	0
	CALANUS GLACIALIS	20	10
	CENTROPHAGES ABDOMINALIS	12	0
	EPILABIDOCERA AMPHITRITES	16	10
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	44	10
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	72	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	12	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CNIDARIA	BLACKFORDIA SPECIES	8	0

	CORYNE TUBULOSA	36	20
	TUBULARIA PROLIFER	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	20
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	ISCHYROCERUS ANGUIPES	8	2
	PARAPLEUSTES PUGETTENSIS	12	3
	PONTOGENEIA INERMIS	36	5
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	12	0
LARVACEA	OIKOPLEURA DIOICA	40	5
MOLLUSCA	LACUNA CARINATA	24	0
NATANTIA	HIPPOLYTE CLARKI	4	2
	NATANTIA ZOEA	24	3
POLYCHAETA	POLYCHAETA SPECIES	4	0

LOCATION - GRAM YEAR - 1981 MONTH - 9 DAY - 6 SAMPLE VOLUME - 135 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	8	0
BRACHYURA	BRACHYURA ZOEA	32	0
CALANOIDA	ACARTIA LONGIREMUS	24	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	8	0
	EPILABIDOCERA AMPHITRITES	8	0
	METRIDIA PACIFICA	24	0
	PSEUDOCALANUS MINUTUS	144	10
	TORTANUS DISCAUDATUS	1488	20
CAPRELLIDEA	CAPRELLA EQUILIBRIA	56	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CNIDARIA	CORYNE TUBULOSA	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1280	40
	HYALE FREQUENS	32	0
	ISCHYROCERUS ANGUIPES	160	10
	ODIUS SPECIES (CARANATA GROUP)	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	0
	PONTOGENEIA INERMIS	888	20
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	HARPACTICUS SPECIES	56	0
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	8	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	64	0
NATANTIA	HEPTACARPUS CARINATUS	88	0
	NATANTIA ZOEA	56	0
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION = GRAM YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 60 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	16	0
	PUGETTIA RICHII	3	12
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	6	0
	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	8	0
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	44	8
	EPILABIDOCERA AMPHITRITES	6	0
	METRIDIA PACIFICA	12	0
	PSEUDOCALANUS MINUTUS	50	8
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	110	16
CAPRELLIDEA	CAPRELLA EQUILIBRIA	18	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	18	0
	EUPHYSA SPECIES	4	8
	SARSIA PRINCEPS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	62	12
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	44	8
	ODIUS SPECIES (CARANATA GROUP)	10	4
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	52	8
HARPACTICOIDA	HARPACTICOID SPECIES	42	0
	HARPACTICUS SPECIES	22	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	IDOTEA RUFESCENS	84	8
	IDOTEA UROTOMA	24	0
	PENTIDOTEA RESECTA	8	8
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	52	0
	LIRULARIA SPECIES	2	0
NATANTIA	HEPTACARPUS CARINATUS	16	0
	NATANTIA ZOEA	22	0
POLYCHAETA	NEREIS SPECIES	2	0
	POLYCHAETA SPECIES	2	0

LOCATION = NERC YEAR = 1980 MONTH = 7 DAY = 3 SAMPLE VOLUME = 52 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA RICHII	1	30
CNIDARIA	CORYNE TUBULOSA	2	0
COTTIDAE	BLEPSIAS CIRRHOSUS	1	20
	SYNCHIRUS GILLI	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
MOLLUSCA	TURBONILLA VALDEZI	1	0
NATANTIA	HEPTACARPUS STYLUS	1	0
	PANDALUS TRIDENS	1	0
PLEURONECTIDAE	PLEURONICHTHYS EGG	1	0
SCORPAENIDAE	SEBASTES SPECIES	149	50

LOCATION = NERC YEAR = 1980 MONTH = 7 DAY = 3 SAMPLE VOLUME = 20 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8	0
	PUGETTIA RICHII	2	30
CALANOIDA	ACARTIA LONGIREMUS	8	0
	CALANOID COPEDID	44	0
	CALANUS GLACIALIS	24	0
	CALANUS PACIFICUS	96	0
	CALANUS PLUMCHRUS	96	0
	CENTROPHAGES ABDOMINALIS	72	0
	EPILABIDOCERA AMPHITRITES	28	0
	METRIDIA OKHOTENSIS	32	0
	METRIDIA PACIFICA	12	0
	PARACALANUS PARVIS	72	0
	PSEUDOCALANUS MINUTUS	2436	20
CAPRELLIDEA	CAPRELLA SPECIES	4	0
CHAETOGNATHA	EUKRONIA HAMATA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	120	0
CLADOCERA	EVADNE NORMANI	156	0
	PODON POLYPHEMOIDES	1892	10
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	33	0
	OBELIA LONGISSIMA	14	0
	RATHKEA OCTOPUNCTATA	28	0
	TUBULARIA PROLIFER	32	0
COTTIDAE	COTTID SPECIES	77	10
	SYNCHIRUS GILLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CYCLOPTERIDAE	POLYPERA GREENI	1	5
FISH	FISH EGGS	8	0

GAMMARIDEA	AMPHITHOE LINDBERGI	5	5
	HYALE FREQUENS	1	0
	HYALE GRANDECORNIS	4	0
	ISCHYROCERUS ANGUIPES	12	0
	PARAPLEUSTES PUGETTENSIS	5	5
	PLEUSTES SPECIES	96	5
	PONTOGENEIA INERMIS	4	0
	PONTOGENEIA ROSTRATA	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	36	0
	HARPACTICUS SPECIES	20	0
	PORCELLIDIUM SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	4	0
	PENTIDOTEA RESECTA	2	5
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	LIMACINA SPECIES	16	0
NATANTIA	HIPPOLYTE CLARKI	4	5
	NATANTIA ZOEA	16	0

LOCATION = NERC YEAR = 1980 MONTH = 7 DAY = 3 SAMPLE VOLUME = 250 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA SPECIES	1	0
	BRACHYURA ZOEA	288	0
CALANOIDA	CALANOID COPEDID	320	0
	CALANOID SPECIES	32	0
	CALANUS GLACIALIS	256	0
	CALANUS PACIFICUS	160	0
	CALANUS PLUMCHRUS	64	0
	CENTROPHAGES ABDOMINALIS	256	0
	EPILABIDOCERA AMPHITRITES	64	0
	EUCALANUS BUNGI BUNGI	32	0
	METRIDIA OKHOTENSIS	128	0
	METRIDIA PACIFICA	32	0
	PARACALANUS PARVIS	480	0
	PSEUDOCALANUS MINUTUS	3264	20
CIRRIPEDIA	BARNACLE NAUPLII	1024	0
CLADOCERA	EVADNE NORMANI	192	0
	PODON POLYPHEMOIDES	4512	20
CNIDARIA	BLACKFORDIA SPECIES	5	0
	CORYNE TUBULOSA	64	0
	OBELIA LONGISSIMA	32	0
	RATHKEA OCTOPUNCTATA	64	0
	TUBULARIA PROLIFER	96	0
COTTIDAE	COTTID SPECIES	618	50
CTENOPHORA	PLEUROBRANCHIA BACHEI	69	10
FISH	FISH EGGS	64	0
GADIDAE	MICROGADUS PROXIMUS	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	32	0
	ISCHYROCERUS ANGUIPES	32	0

	PLEUSTES SPECIES	256	0
	PONTOGENEIA ROSTRATA	64	0
HARPACTICOIDA	HARPACTICOID SPECIES	224	0
	HARPACTICUS SPECIES	64	0
ISOPODA	IDOTEA RUFESCENS	96	0
	IDOTEA UROTOMA	32	0
LARVACEA	OIKOPLEURA DIOICA	64	0
MOLLUSCA	LIMACINA SPECIES	32	0
NATANTIA	NATANTIA ZOEA	256	0
PHOLIDAE	APODICHTHYS FLAVIDUS	1	0
SPIDER	SPIDER SPECIES	32	0

LOCATION = NERC YEAR = 1980 MONTH = 8 DAY = 12 SAMPLE VOLUME = 29 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
COTTIDAE	SYNCHIRUS GILLI	12	70
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	2	20
SCORPAENIDAE	SEBASTES SPECIES	1	10

LOCATION = NERC YEAR = 1980 MONTH = 9 DAY = 7 SAMPLE VOLUME = 30 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	16	0
CALANOIDA	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	24	0
	CALANUS PACIFICUS	8	0
	PSEUDOCALANUS MINUTUS	28	0
	TORTANUS DISCAUDATUS	140	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	12	0
CHAETOGNATHA	EUKRONIA HAMATA	4	0
CNIDARIA	EPIACTUS PROLIFERA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	23	15
CUMACEAE	LEUCON SPECIES	4	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
	FORAMINIFERIDIA SPECIES	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	8	0
	AOROIDES COLUMBIAE	4	0
	CALLIOPIELLA PRATTI	8	0
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	ISCHYROCERUS ANGUIPES	120	5
	MELITA SPECIES	8	0
	PARAPLEUSTES PUGETTENSIS	64	5
	PLEUSTES SPECIES	24	0
	PONTOGENEIA ROSTRATA	364	20

	WESTWOODILLA CAECULA	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	12	0
	PORCELLIDIUM SPECIES	4	0
HOLOTHUROIDEA	CUCUMARIA PSEUDOCURATA	4	15
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	MUNNA STEPHENSONI	8	0
	PSEUDIONE SPECIES	8	0
MOLLUSCA	LACUNA CARINATA	8	0
MYSIDACEAE	NEOMYSIS AWATSCHENSIS	256	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	52	10
	HEPTACARPUS STYLUS	19	5
	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	208	5
	PANDALUS HYPSINOTUS	1	15

LOCATION = NERC YEAR = 1980 MONTH = 9 DAY = 7 SAMPLE VOLUME = 17 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	2
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	56	0
	CALANUS GLACIALIS	88	20
	CALANUS PACIFICUS	64	10
	EPILABIDOCERA AMPHITRITES	32	3
	PARACALANUS PARVIS	24	2
	PSEUDOCALANUS MINUTUS	32	3
	TORTANUS DISCAUDATUS	152	40
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
HARPACTICOIDA	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	32	0
INSECTA	DIPTERA SPECIES	24	10
	EPHYDRIDAE SPECIES	8	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	16	0
	GASTROPODA SPECIES	8	0
NATANTIA	NATANTIA ZOEA	40	10

LOCATION = NERC YEAR = 1980 MONTH = 9 DAY = 7 SAMPLE VOLUME = 65 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	16	0
	PUGETTIA RICHII	1	2
CALANOIDA	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	20	0
	CALANUS PACIFICUS	24	0

	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	28	0
	TORTANUS DISCAUDATUS	248	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	8	0
COTTIDAE	SYNCHIRUS GILLI	3	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
CUMACEAE	LEUCON SPECIES	4	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	20	0
	FORAMINIFERIDIA SPECIES	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	16	5
	DEXAMONICA (ATYLUS) COLLINGI	724	20
	ISCHYROCERUS ANGUIPES	88	5
	MELITA SPECIES	20	0
	PARAPLEUSTES P[illegible]TTENSIS	56	0
	PLEUSTES S[illegible]IES	8	0
	PONTOGENEI[illegible]STRATA	116	5
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	3	3
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	PORCELLIDIUM SPECIES	20	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	68	0
	IDOTEA UROTOMA	140	5
	PENTIDOTEA RESECTA	14	10
MOLLUSCA	LACUNA CARINATA	44	0
	MARGARITES HELICINUS	12	0
MYSIDACEAE	NEOMYSIS AWATSCHENSIS	68	5
NATANTIA	HEPTACARPUS BREVIROSTRIS	4	0
	HEPTACARPUS CARINATUS	6	10
	HEPTACARPUS STYLUS	18	20
	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	164	0

LOCATION = NERC YEAR = 1980 MONTH = 9 DAY = 7 SAMPLE VOLUME = 22 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	20	0
	BRACHYURA ZOEA	4	0
CALANOIDA	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	108	10
	CALANUS PACIFICUS	84	5
	EPILABIDOCERA AMPHITRITES	28	0
	PARACALANUS PARVIS	4	0
	PSEUDOCALANUS MINUTUS	36	0
	TORTANUS DISCAUDATUS	88	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
	CAPRELLA LEVIUSCULA	4	0
CNIDARIA	CORYNE TUBULOSA	15	15
	OBELIA SPECIES	1	0
COTTIDAE	SYNCHIRUS GILLI	.	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	18	15

CYCLOPTERIDAE	LIPARIS FLORAE	.	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	AMPHITHOE LINDBERGI	4	0
	DEXAMONICA (ATYLUS) COLLINGI	64	5
	ISCHYROCERUS ANGUIPES	84	5
	PARAPLEUSTES PUGETTENSIS	32	0
	PONTOGENEIA ROSTRATA	20	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	.	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SPECIES	4	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	20	0
	IDOTEA UROTOMA	44	0
	PENTIDOTEA RESECTA	1	10
MOLLUSCA	LACUNA CARINATA	8	0
MYSIDACEAE	NEOMYSIS AWATSCHENSIS	4	0
NATANTIA	HEPTACARPUS CARINATUS	3	10
	HEPTACARPUS STYLUS	2	10
	NATANTIA ZOEA	52	0
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 1 DAY = 24 SAMPLE VOLUME = 11 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1	0
CALANOIDA	AETEDIUS ARMATUS	26	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	435	40
	CANDACIA COLUMBIAE	3	0
	METRIDIA PACIFICA	115	10
	TORTANUS DISCAUDATUS	27	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	1	0
CHAETOGNATHA	SAGITTA SPECIES	82	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
CYCLOPTERIDAE	LIPARIS SPECIES	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	PARAPLEUSTES PUGETTENSIS	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	PORCELLIDIUM SARSI	3	0
HYPERIDEA	PARATHEMISTO SPECIES	454	50
ISOPODA	IDOTEA RUFESCENS	2	0
	IDOTEA UROTOMA	2	0
	PENTIDOTEA RESECTA	1	0
MOLLUSCA	LIRULARIA SPECIES	1	0
NATANTIA	HIPPOLYTE CLARKI	1	0
OSTRACODA	OSTRACODA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 1 DAY = 24 SAMPLE VOLUME = 5 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	5	0
CALANOIDA	ACARTIA LONGIREMUS	3	0
	AETEDIUS ARMATUS	6	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	46	20
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	83	20
	PSEUDOCALANUS MINUTUS	5	0
	TORTANUS DISCAUDATUS	33	0
CHAETOGNATHA	SAGITTA SPECIES	33	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	EVADNE NORMANI	11	0
	PODON POLYPHEMOIDES	6	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	151	60
ISOPODA	IDOTEA RUFESCENS	1	0
MOLLUSCA	LACUNA CARINATA	1	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 1 DAY = 24 SAMPLE VOLUME = 18 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	9	0
CALANOIDA	AETEDIUS ARMATUS	11	2
	CALANUS GLACIALIS	7	0
	CANDACIA COLUMBIAE	2	0
	METRIDIA PACIFICA	15	3
	TORTANUS DISCAUDATUS	48	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	5	0
	CAPRELLA LEVIUSCULA	1	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
	LAMPROPS QUADRIPLICATA	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	AMPHITHOE LINDBERGI	1	0
	CALLIOPIELLA PRATTI	11	5
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	HYALE GRANDECORNIS	1	0
	ISCHYROCERUS ANGUIPES	6	0
	ODIUS SPECIES (CARANATA GROUP)	73	20
	PARAPLEUSTES PUGETTENSIS	11	5

	PLEUSTES SPECIES (PANOPLA) GROUP A	7	0
	PONTOGENEIA INERMIS	101	40
	PONTOGENEIA INTERMEDIA	1	0
	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	7	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	5	2
	IDOTEA OCHOTENSIS	8	3
	IDOTEA RUFESCENS	1	0
	IDOTEA UROTOMA	8	3
	PENTIDOTEA RESECTA	7	2
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	LACUNA CARINATA	66	10
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	26	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	2	0
	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	2	0
POLYCHAETA	ARMANDIA BREVIS	2	0
	CIRRATULIDAE SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 1 DAY = 24 SAMPLE VOLUME = 5 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1	0
CALANOIDA	ACARTIA LONGIREMUS	1	0
	AETEDIUS ARMATUS	46	5
	CALANOID COPEDID	3	1
	CALANUS GLACIALIS	18	5
	CENTROPHAGES ABDOMINALIS	21	2
	EUCALANUS BUNGI BUNGI	3	2
	EURYTEMORA HIRUNDOIDES	1	0
	METRIDIA PACIFICA	102	15
	MICROCALANUS PYGMAEUS	1	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	13	0
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	1	0
CTENOPHORA	CTENOPHORE SPECIES	68	20
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
GAMMARIDEA	HYALE FREQUENS	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	1	0
HYPERIDEA	PARATHEMISTO SPECIES	216	50
INSECTA	CHIRONIMIDAE ADULT	1	0
ISOPODA	IDOTEA UROTOMA	1	0
MOLLUSCA	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	2	0

OSTRACODA	OSTRACODA SPECIES	5	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 87 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	892	16
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	392	0
	CALANOID COPEDID	224	0
	CALANUS GLACIALIS	3780	48
	CALANUS PACIFICUS	88	0
	METRIDIA PACIFICA	1432	8
	PSEUDOCALANUS MINUTUS	68	0
	SCOLOCITHRICELLA MINOR	52	0
CALICOIDA	CALIGUS SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
CNIDARIA	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	352	0
COTTIDAE	SYNCHIRUS GILLI	1	2
CYCLOPTERIDAE	LIPARIS FLORAE	480	8
FISH	FISH EGGS	4	0
	FISH LARVAE	272	0
GAMMARIDEA	ANISOGAMMARUS PUGETTENSIS	4	0
	CALLIOPIELLA PRATTI	20	0
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	HYALE FREQUENS	28	0
	ISCHYROCERUS ANGUIPES	8	0
	ODIUS SPECIES (CARANATA GROUP)	8	0
	PLEUSIRUS SECORRUS	4	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	628	0
	HARPACTICUS SPECIES	64	0
	PORCELLIDIUM SARSI	68	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	1	1
	PENTIDOTEA RESECTA	17	15
LARVACEA	OIKOPLEURA DIOICA	44	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	4	0
NATANTIA	HEPTACARPUS CARINATUS	24	0
	HIPPOLYTE CLARKI	72	0
	NATANTIA ZOEA	16	0
PHOLIDAE	PHOLIDAE SPECIES	8	0
	XERXERPES FUCORUM	1	2

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 12 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1857	50
CALANOIDA	AETEDIUS ARMATUS	76	5
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	58	5
	METRIDIA PACIFICA	59	0
	PSEUDOCALANUS MINUTUS	4	0
	SCOLOCITHRICELLA MINOR	7	0
	TORTANUS DISCAUDATUS	1	0
CIRRIPEDIA	BARNACLE NAUPLII	1168	40
CNIDARIA	CORYNE TUBULOSA	2	0
	OBELIA LONGISSIMA	1	0
	TUBULARIA PROLIFER	31	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH EGGS	4	0
	FISH LARVAE	33	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	4	0
	LAETMATOPHILUS (PHOTIS) SPECIES	1	0
	ODIUS SPECIES (CARANATA GROUP)	7	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	20	0
	PORCELLIDIUM SARSI	4	0
LARVACEA	OIKOPLEURA DIOICA	139	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	13	0
OSTRACODA	OSTRACODA SPECIES	3	0
PHOLIDAE	PHOLIDAE SPECIES	10	0
POLYCHAETA	NEREIS SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 11 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	875	40
CALANOIDA	ACARTIA LONGIREMUS	9	0
	AETEDIUS ARMATUS	41	1
	CALANOID COPEDID	40	1
	CALANUS GLACIALIS	68	7
	CALANUS PACIFICUS	1	0
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	40	1
	PSEUDOCALANUS MINUTUS	9	0
	SCOLOCITHRICELLA MINOR	2	0

	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	52	0
CIRRIPEDIA	BARNACLE NAUPLII	233	10
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	29	0
FISH	FISH EGGS	16	0
	FISH LARVAE	11	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	ANISOGAMMARUS PUGETTENSIS	1	0
	ANONYX SPECIES	15	5
	CALLIOPIELLA PRATTI	1	0
	DEXAMONICA (ATYLUS) COLLINGI	1	0
	ISCHYROCERUS ANGUIPES	5	0
	LAETMATOPHILUS (PHOTIS) SPECIES	2	0
	ODIUS SPECIES (CARANATA GROUP)	59	10
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSIRUS SECORRUS	1	0
	PONTOGENEIA INERMIS	18	5
	SYNCHELIDIUM SHOEMAKERI	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	7	0
	PORCELLIDIUM SARSI	2	0
HIRUDINEA	HIRUDINEA SPECIES	1	0
ISOPODA	MUNNA STEPHENSONI	2	0
LARVACEA	OIKOPLEURA DIOICA	183	10
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	1	0
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	0
	NATANTIA ZOEA	119	10
NEMATODA	NEMATODA SPECIES	1	0
OSTRACODA	OSTRACODA SPECIES	1	0
PHOLIDAE	PHOLIDAE SPECIES	7	0
POLYCHAETA	NEREIS SPECIES	5	0
	POLYCHAETA SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 4 DAY - 7 SAMPLE VOLUME - 75 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8440	20
CALANOIDA	ACARTIA LONGIREMUS	16	0
	AETEDIUS ARMATUS	40	0
	CALANOID COPEDID	736	0
	CALANUS GLACIALIS	12856	60
	CALANUS PACIFICUS	176	0
	EUCALANUS BUNGI BUNGI	8	0
	METRIDIA PACIFICA	840	0
	MONSTRILLA SPECIES	8	0
	PSEUDOCALANUS MINUTUS	472	0

	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	8	0
CHAETOGNATHA	SAGITTA SPECIES	424	0
CIRRIPEDIA	BARNACLE NAUPLII	11080	20
CNIDARIA	TUBULARIA PROLIFER	136	0
CUMACEAE	CUMELLA SPECIES	8	0
	LAMPROPS QUADRIPLICATA	16	0
FISH	FISH LARVAE	264	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	16	0
	ODIUS SPECIES (CARANATA GROUP)	8	0
HYPERIDEA	PARATHEMISTO SPECIES	40	0
LARVACEA	OIKOPLEURA DIOICA	552	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LIRULARIA SPECIES	32	0
NATANTIA	NATANTIA ZOEA	600	0
PHOLIDAE	PHOLIDAE SPECIES	8	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 7 SAMPLE VOLUME = 42 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	54	5
CALANOIDA	AETEDIUS ARMATUS	41	10
	CALANUS GLACIALIS	11	5
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	37	5
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	9	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	36	0
CNIDARIA	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	2	0
COTTIDAE	SYNCHIRUS GILLI	1	10
CUMACEAE	CUMELLA SPECIES	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH EGGS	5	0
	FISH LARVAE	2	0
GAMMARIDEA	ANONYX SPECIES	1	0
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	HYALE FREQUENS	3	0
	ODIUS SPECIES (CARANATA GROUP)	18	10
	PARAPLEUSTES PUGETTENSIS	1	0
	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	54	5
	HARPACTICUS SPECIES	5	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	PENTIDOTEA RESECTA	20	40
LARVACEA	OIKOPLEURA DIOICA	32	5
NATANTIA	HIPPOLYTE CLARKI	17	5
	NATANTIA ZOEA	5	0
OSTRACODA	OSTRACODA SPECIES	1	0

PHOLIDAE	PHOLIDAE SPECIES	1	0
TURBELLARIA	TURBELLARIA SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 17 SAMPLE VOLUME = 5 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	230	20
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	5	0
	CALANOID COPEDID	38	0
	CALANUS GLACIALIS	61	5
	CALANUS PACIFICUS	2	0
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	37	0
	EUCALANUS BUNGI BUNGI	8	0
	METRIDIA PACIFICA	12	0
	PSEUDOCALANUS MINUTUS	19	0
	SCOLOCITHRICELLA MINOR	3	0
	SCOLOCITHRICELLA SUBDENTATA	1	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	375	10
	CYPRIS LARVA	125	5
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	4	0
	RATHKEA OCTOPUNCTATA	3	0
	TUBULARIA PROLIFER	64	10
COTTIDAE	COTTID SPECIES	17	50
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	1	0
HYPERIDEA	PARATHEMISTO SPECIES	3	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	4	0
	LIRULARIA SPECIES	1	0
	MARGARITES HELICINUS	1	0
NATANTIA	NATANTIA ZOEA	7	0
PHOLIDAE	PHOLIDAE SPECIES	6	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 20 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	888	24
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	584	16
	CALANUS CRISTATUS	4	0
	CALANUS GLACIALIS	32	0
	EUCALANUS BUNGI BUNGI	4	0
	METRIDIA PACIFICA	242	8
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	56	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	184	4
	CYPRIS LARVA	218	4
CNIDARIA	BLACKFORDIA SPECIES	10	0
	CORYNE TUBULOSA	8	0
	EUPHYSA TENTACULATA	2	0
	TUBULARIA PROLIFER	14	0
CUMACEAE	CUMELLA SPECIES	12	0
FISH	FISH EGGS	2	0
	FISH LARVAE	30	0
GAMMARIDEA	ANONYX SPECIES	2	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	8	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	380	8
	HARPACTICUS SPECIES	68	0
	PORCELLIDIUM SARSI	44	0
ISOPODA	PENTIDOTEA RESECTA	10	6
LARVACEA	OIKOPLEURA DIOICA	444	16
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	2	0
NATANTIA	HEPTACARPUS CARINATUS	4	4
	HIPPOLYTE CLARKI	17	10
	NATANTIA ZOEA	10	0
OSTRACODA	OSTRACODA SPECIES	12	0
PHOLIDAE	PHOLIDAE SPECIES	28	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 14 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	716	50
CALANOIDA	ACARTIA LONGIREMUS	1	0
	AETEDIUS ARMATUS	167	5
	CALANOID COPEDID	9	0

	CALANUS GLACIALIS	16	1
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	13	0
	METRIDIA PACIFICA	55	2
	PSEUDOCALANUS MINUTUS	6	0
	SCOLOCITHRICELLA MINOR	14	1
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	179	10
	CYPRIS LARVA	106	5
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	6	0
	EUPHYSA TENTACULATA	1	0
	HYDRACTINIA SPECIES	2	0
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	5	0
	TUBULARIA PROLIFER	55	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	3	0
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	8	0
	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	HAUSTORIDAE SPECIES	1	0
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INTERMEDIA	1	0
HARPACTICOIDA	HAFPACTICOID SPECIES	21	0
	HARPACTICUS SPECIES	5	0
	PORCELLIDIUM SARSI	3	0
ISOPODA	PENTIDOTEA RESECTA	6	0
LARVACEA	OIKOPLEURA DIOICA	249	15
MOLLUSCA	EUBRANCHUS OLIVACEUS	3	0
	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	2	0
NATANTIA	HIPPOLYTE CLARKI	3	0
	NATANTIA ZOEA	2	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 15 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	803	40
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	ACARTIA LONGIREMUS	34	0
	AETEDIUS ARMATUS	30	0
	CALANOID COPEDID	202	10

	CALANUS GLACIALIS	437	20
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	119	10
	EUCALANUS BUNGI BUNGI	2	0
	METRIDIA PACIFICA	21	0
	MICROCALANUS PYGMAEUS	2	0
	PSEUDOCALANUS MINUTUS	62	0
	SCOLOCITHRICELLA MINOR	1	0
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	970	20
	CYPRIS LARVA	24	0
CLADOCERA	EVADNE NORMANI	6	0
CNIDARIA	SOLMISSUS MARSHALLI	2	0
	TUBULARIA CHRISTINAE	1	0
	TUBULARIA PROLIFER	55	0
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	7	0
	FISH LARVAE	37	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	4	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	5	0
LARVACEA	OIKOPLEURA DIOICA	58	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	68	0
PHOLIDAE	PHOLIDAE SPECIES	18	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 9 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	222	40
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	3	0
	CALANOID COPEDID	9	0
	CALANUS GLACIALIS	29	10
	CENTROPHAGES ABDOMINALIS	3	0
	EPILABIDOCERA AMPHITRITES	43	10
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	2	0
	MICROCALANUS PYGMAEUS	1	0
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	139	15
	CYPRIS LARVA	143	15
CLADOCERA	EVADNE NORMANI	3	0

CNIDARIA	CORYNE TUBULOSA	1	0
	HYDRACTINIA SPECIES	1	0
	TUBULARIA PROLIFER	46	10
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	30	0
	FISH LARVAE	12	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	2	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	29	0
MOLLUSCA	GASTROPODA JUVENILE	3	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	6	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 9 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	330	40
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	49	5
	CALANOID COPEDID	23	0
	CALANUS GLACIALIS	26	5
	EPILABIDOCERA AMPHITRITES	6	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	42	5
	PSEUDOCALANUS MINUTUS	52	5
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	9	0
CIRRIPEDIA	BARNACLE NAUPLII	475	30
	CYPRIS LARVA	14	0
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	31	0
CUMACEAE	CUMELLA SPECIES	1	0
FISH	FISH EGGS	6	0
	FISH LARVAE	28	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	5	0
	HARPACTICUS SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	1	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	174	10
MOLLUSCA	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	23	0
PHOLIDAE	PHOLIDAE SPECIES	14	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 19 SAMPLE VOLUME = 8 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	337	20
CALANOIDA	ACARTIA LONGIREMUS	13	0
	AETEDIUS ARMATUS	25	0
	CALANOID COPEDID	14	0
	CALANUS GLACIALIS	7	0
	EPILABIDOCERA AMPHITRITES	11	0
	EUCALANUS BUNGI BUNGI	12	0
	METRIDIA PACIFICA	35	0
	PSEUDOCALANUS MINUTUS	27	0
	SCOLOCITHRICELLA MINOR	3	0
CHAETOGNATHA	SAGITTA SPECIES	9	0
CIRRIPEDIA	BARNACLE NAUPLII	1170	80
	CYPRIS LARVA	46	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	4	0
	TUBULARIA PROLIFER	38	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	0
FISH	FISH EGGS	13	0
	FISH LARVAE	83	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	1	0
LARVACEA	OIKOPLEURA DIOICA	148	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	9	0
OSTRACODA	OSTRACODA SPECIES	4	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 30 SAMPLE VOLUME = 9 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	47	10
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	CALANOID COPEDID	8	5
	CALANUS GLACIALIS	5	5
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	3	0
	EUCALANUS BUNGI BUNGI	2	0
	METRIDIA PACIFICA	11	10
	PSEUDOCALANUS MINUTUS	1	0
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	3	0

CIRRIPEDIA	BARNACLE NAUPLII	72	10
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	1	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
	TUBULARIA PROLIFER	10	10
FISH	FISH EGGS	12	0
	FISH LARVAE	26	20
GAMMARIDEA	CALLIOPIELLA PRATTI	5	5
	HYALE FREQUENS	2	2
	ISCHYROCERUS ANGUIPES	2	1
	ODIUS SPECIES (CARANATA GROUP)	2	2
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	68	10
	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	6	0
INSECTA	CHIRONIMIDAE ADULT	1	0
LARVACEA	OIKOPLEURA DIOICA	10	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	1	0
	LIRULARIA SPECIES	1	0
	OCTOPUS LEIODERMA	1	0
NATANTIA	HEPTACARPUS CARINATUS	1	0
	HIPPOLYTE CLARKI	10	10
	NATANTIA ZOEA	10	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 30 SAMPLE VOLUME = 4 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	97	10
CALANOIDA	ACARTIA LONGIREMUS	7	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	15	5
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	4	0
	EUCALANUS BUNGI BUNGI	3	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	3	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	38	0
	CYPRIS LARVA	1	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	EUPHYSA TENTACULATA	2	0
	HYDRACTINIA SPECIES	1	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	71	80

CUMACEAE	CUMELLA SPECIES	1	0
CYCLOPTERIDAE	LIPARIS SPECIES	5	0
FISH	FISH EGGS	56	5
	FISH LARVAE	5	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	CALLIOPIUS LAEVIUSCULUS	1	0
	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	GASTROPODA JUVENILE	5	0
NATANTIA	NATANTIA ZOEA	14	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 30 SAMPLE VOLUME = 9 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	106	10
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA .	ACARTIA LONGIREMUS	163	10
	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	58	10
	CENTROPHAGES ABDOMINALIS	3	0
	EPILABIDOCERA AMPHITRITES	36	0
	EUCALANUS BUNGI BUNGI	10	0
	METRIDIA PACIFICA	21	0
	PSEUDOCALANUS MINUTUS	25	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	294	10
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	7	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	5
	LIPARIS FLORAE	1	5
FISH	FISH EGGS	7	0
	FISH LARVAE	9	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	ISCHYROCERUS ANGUIPES	5	5
	LAETMATOPHILUS (PHOTIS) SPECIES	7	5
	ODIUS SPECIES (CARANATA GROUP)	69	30
	PARAPLEUSTES PUGETTENSIS	3	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	13	10
HARPACTICOIDA	HARPACTICOID SPECIES	21	0

	HARPACTICUS SPECIES	15	0
	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
INSECTA	APHIDIDAE SPECIES	1	0
	CHIRONIMIDAE ADULT	1	0
ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	1	0
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	17	0
PHOLIDAE	PHOLIDAE SPECIES	8	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 30 SAMPLE VOLUME = 3 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	32	20
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	13	20
	EPILABIDOCERA AMPHITRITES	11	0
	METRIDIA PACIFICA	8	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	1	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	9	0
	CYPRIS LARVA	2	0
CNIDARIA	CORYNE TUBULOSA	1	0
	TUBULARIA PROLIFER	7	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	3	0
FISH	FISH EGGS	6	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	4	0
	LAETMATOPHILUS (PHOTIS) SPECIES	3	0
	ODIUS SPECIES (CARANATA GROUP)	44	60
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	6	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	3	0
NATANTIA	NATANTIA ZOEA	2	0
PHOLIDAE	PHOLIDAE SPECIES	1	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 30 SAMPLE VOLUME = 22 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	16	0
CALANOIDA	ACARTIA LONGIREMUS	2	0
	AETEDIUS ARMATUS	2	0
	CENTROPHAGES ABDOMINALIS	2	0
	PSEUDOCALANUS MINUTUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
COTTIDAE	BLEPSIAS CIRRHOSUS	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	24	0
	AMPHITHOE LACERTOSA	2	0
	HYALE FREQUENS	10	0
	ISCHYROCERUS ANGUIPES	8	0
	ODIUS SPECIES (CARANATA GROUP)	434	90
	PARAPLEUSTES PUGETTENSIS	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	34	0
	SYNCHELIDIUM SHOEMAKERI	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	106	5
	HARPACTICUS SPECIES	100	5
	PORCELLIDIUM SARSI	4	0
INSECTA	APHIDIDAE SPECIES	2	0
	CHIRONIMIDAE ADULT	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	4	0
OSTRACODA	OSTRACODA SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 4 DAY = 30 SAMPLE VOLUME = 5 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	37	40
BRYOZOA	CYPHONAUTES LARVA	3	0
CALANOIDA	ACARTIA LONGIREMUS	17	5
	CALANOID COPEDID	2	1
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	10	10
	EPILABIDOCERA AMPHITRITES	3	1
	METRIDIA PACIFICA	1	1
	PSEUDOCALANUS MINUTUS	2	1
	TORTANUS DISCAUDATUS	1	1
CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	2	0
CNIDARIA	EUPHYSA TENTACULATA	2	2
	TUBULARIA PROLIFER	2	3

CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
FISH	FISH EGGS	16	5
	FISH LARVAE	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	2
	HYALE FREQUENS	1	2
	ISCHYROCERUS ANGUIPES	1	3
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	3
	SYNCHELIDIUM SHOEMAKERI	1	10
HARPACTICOIDA	HARPACTICOID SPECIES	16	5
	HARPACTICUS SPECIES	13	5
	PORCELLIDIUM SARSI	1	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	2	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	1	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 26 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	46	1
CALANOIDA	AETEDIUS ARMATUS	10	0
	CALANUS GLACIALIS	18	0
	METRIDIA PACIFICA	18	0
	PSEUDOCALANUS MINUTUS	22	3
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	20	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	CORYNE TUBULOSA	6	0
	TUBULARIA PROLIFER	14	0
CYCLOPTERIDAE	LIPARIS FLORAE	248	14
FISH	FISH LARVAE	4	0
GAMMARIDEA	ANONYX SPECIES	2	0
	CALLIOPIELLA PRATTI	10	2
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	1776	25
	HARPACTICUS SPECIES	1534	24
	PORCELLIDIUM SARSI	8	0
ISOPODA	PENTIDOTEA RESECTA	4	18
LARVACEA	OIKOPLEURA DIOICA	20	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	2	0
NATANTIA	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	36	2
	NATANTIA ZOEA	4	0

PHOLIDAE	APODICHTHYS FLAVIDUS	1	12
POLYCHAETA	POLYCHAETA SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 7 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	185	10
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANOID COPEDID	3	0
	CALANUS GLACIALIS	50	5
	CENTROPHAGES ABDOMINALIS	12	1
	EPILABIDOCERA AMPHITRITES	4	0
	EUCALANUS BUNGI BUNGI	13	1
	METRIDIA PACIFICA	18	1
	PSEUDOCALANUS MINUTUS	48	2
	SCOLOCITHRICELLA MINOR	2	0
CHAETOGNATHA	SAGITTA SPECIES	7	0
CIRRIPEDIA	BARNACLE NAUPLII	27	0
	CYPRIS LARVA	9	0
CNIDARIA	BLACKFORDIA SPECIES	7	0
	CORYNE TUBULOSA	2	0
	EUPHYSA TENTACULATA	1	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA CHRISTINAE	1	0
	TUBULARIA PROLIFER	196	80
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	3	0
	FISH LARVAE	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	11	0
	PORCELLIDIUM SARSI	5	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	27	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
NATANTIA	NATANTIA ZOEA	7	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 31 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	482	12
	OREGONIA GRACILIS	1	20
CALANOIDA	AETEDIUS ARMATUS	2	0

	CALANOID COPEDID	6	0
	CALANUS GLACIALIS	130	8
	EPILABIDOCERA AMPHITRITES	4	0
	EUCALANUS BUNGI BUNGI	4	0
	METRIDIA PACIFICA	6	0
	PSEUDOCALANUS MINUTUS	94	4
	TORTANUS DISCAUDATUS	14	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	24	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	6	0
	PODON POLYPHEMOIDES	6	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	TUBULARIA PROLIFER	8	0
CUMACEAE	DIASTYLIS SPECIES	2	0
	LAMPROPS QUADRIPLICATA	6	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FISH	FISH EGGS	6	0
	FISH LARVAE	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	ANONYX SPECIES	6	0
	HYALE FREQUENS	10	0
	ISCHYROCERUS ANGUIPES	48	8
	ODIUS SPECIES (CARANATA GROUP)	358	24
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	6	0
	PONTOGENEIA INERMIS	316	24
HARPACTICOIDA	HARPACTICOID SPECIES	18	0
	HARPACTICUS SPECIES	32	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	2	0
MYSIDACEAE	ACANTHOMYSIS SCULPTA	2	0
NATANTIA	HEPTACARPUS CARINATUS	2	0
	NATANTIA ZOEA	76	0
POLYCHAETA	NEREIS SPECIES	2	0
	PRAXILLELLA SPECIES	2	0
	SPIONIDAE SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 12 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	1053	20
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	ACARTIA LONGIREMUS	11	0
	AETEDIUS ARMATUS	24	0
	CALANOID COPEDID	36	0
	CALANUS GLACIALIS	402	50
	CALANUS PACIFICUS	25	0

	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	14	0
	EUCALANUS BUNGI BUNGI	12	0
	METRIDIA PACIFICA	78	5
	PSEUDOCALANUS MINUTUS	71	5
CHAETOGNATHA	SAGITTA SPECIES	18	0
CIRRIPEDIA	BARNACLE NAUPLII	73	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	2	0
CNIDARIA	BLACKFORDIA SPECIES	6	0
	CORYNE TUBULOSA	5	0
	RATHKEA OCTOPUNCTATA	14	0
	TUBULARIA PROLIFER	91	20
FISH	FISH EGGS	29	0
	FISH LARVAE	5	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PONTOGENEIA INERMIS	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	PORCELLIDIUM SARSI	1	0
LARVACEA	OIKOPLEURA DIOICA	26	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
NATANTIA	NATANTIA ZOEA	26	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 12 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	110	10
CALANOIDA	ACARTIA LONGIREMUS	7	0
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	37	5
	CENTROPHAGES ABDOMINALIS	4	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	15	0
	PSEUDOCALANUS MINUTUS	67	5
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	6	0
CIRRIPEDIA	BARNACLE NAUPLII	33	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	1	0
	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	29	0
COTTIDAE	ASCELICHTHYS RHODORUS	1	0
	SYNCHIRUS GILLI	1	0
CUMACEAE	DIASTYLIS SPECIES	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	3	0

FISH	FISH EGGS	8	0
	FISH LARVAE	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	3	0
	HYALE FREQUENS	36	5
	ISCHYROCERUS ANGUIPES	5	0
	ODIUS SPECIES (CARANATA GROUP)	136	60
	PARAPLEUSTES PUGETTENSIS	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	9	0
	PONTOGENEIA INERMIS	15	5
HARPACTICOIDA	HARPACTICOID SPECIES	36	0
	PORCELLIDIUM SARSI	438	10
ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	10	0
NATANTIA	HIPPOLYTE CLARKI	13	0
	NATANTIA ZOEA	22	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 5 SAMPLE VOLUME = 7 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	432	40
CALANOIDA	ACARTIA LONGIREMUS	3	0
	AETEDIUS ARMATUS	6	0
	CALANOID COPEDID	10	0
	CALANUS GLACIALIS	385	40
	EPILABIDOCERA AMPHITRITES	6	0
	EUCALANUS BUNGI BUNGI	7	0
	METRIDIA PACIFICA	56	0
	PSEUDOCALANUS MINUTUS	25	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	7	0
CIRRIPEDIA	BARNACLE NAUPLII	81	0
	CYPRIS LARVA	6	0
CNIDARIA	BLACKFORDIA SPECIES	5	0
	CORYNE TUBULOSA	3	0
	TUBULARIA CHRISTINAE	1	0
	TUBULARIA PROLIFER	41	20
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FISH	FISH EGGS	13	0
	FISH LARVAE	1	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	23	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	40	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 40 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	24	0
	BRACHYURA ZOEA	5220	90
	PUGETTIA RICHII	1	10
CALANOIDA	ACARTIA LONGIREMUS	80	0
	AETEDIUS ARMATUS	8	0
	CALANUS GLACIALIS	20	0
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	4	0
	MONSTRILLA SPECIES	8	0
	PSEUDOCALANUS MINUTUS	136	0
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	24	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	CORYNE TUBULOSA	80	0
	HYDRACTINIA SPECIES	4	0
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	28	0
CUMACEAE	LAMPROPS QUADRIPLICATA	4	0
CYCLOPTERIDAE	LIPARIS FLORAE	104	0
FISH	FISH EGGS	20	0
GAMMARIDEA	CALLIOPIELLA SPECIES	12	0
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	4	0
	ODIUS SPECIES (CARANATA GROUP)	40	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PONTOGENEIA INERMIS	20	0
HARPACTICOIDA	HARPACTICOID SPECIES	88	0
	HARPACTICUS SPECIES	200	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	MUNNA STEPHENSONI	4	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	GASTROPODA JUVENILE	40	0
	LIRULARIA SPECIES	4	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	12	0
NATANTIA	NATANTIA ZOEA	4	0
POLYCHAETA	AUTOLYTUS SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 22 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	501	40
CALANOIDA	ACARTIA LONGIREMUS	5	0
	CALANUS GLACIALIS	6	0
	CALANUS PACIFICUS	1	0
	CENTROPHAGES ABDOMINALIS	3	0
	PSEUDOCALANUS MINUTUS	16	0
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	7	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	17	0
	RATHKEA OCTOPUNCTATA	9	0
	TUBULARIA PROLIFER	260	60
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	PHOTIS BREVIPES	1	0
	PONTOGENEIA INERMIS	1	0
	PONTOGENEIA INTERMEDIA	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	36	0
	PORCELLIDIUM SARSI	1	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	7	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 20 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	38	0
	PUGETTIA RICHII	2	20
CALANOIDA	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	2	0
	PSEUDOCALANUS MINUTUS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CNIDARIA	HALICLYSTUS AURICULA	2	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FISH	FISH EGGS	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	24	0
	CALLIOPIELLA PRATTI	20	0
	DEXAMONICA (ATYLUS) COLLINGI	2	0

	HYALE FREQUENS	12	0
	ISCHYROCERUS ANGUIPES	160	20
	LAETMATOPHILUS (PHOTIS) SPECIES	4	0
	ODIUS SPECIES (CARANATA GROUP)	216	30
	PARAPLEUSTES PUGETTENSIS	68	10
	PLEUSTES SPECIES (PANOPLA) GROUP A	12	0
	PLEUSTES SPECIES GROUP D	6	0
	PONTOGENEIA INERMIS	120	20
HARPACTICOIDA	HARPACTICOID SPECIES	104	0
	HARPACTICUS SPECIES	68	0
	PORCELLIDIUM SARSI	4	0
INSECTA	CHIRONIMIDAE ADULT	2	0
ISOPODA	IDOTEA UROTOMA	4	0
	PENTIDOTEA RESECTA	2	0
MOLLUSCA	CREPIDULA FORNICATA	2	0
	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	30	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	2	0
NATANTIA	HEPTACARPUS STYLUS	4	0
	NATANTIA ZOEA	6	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	NEREIS SPECIES	10	0
TURBELLARIA	TURBELLARIA SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 62 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	88	0
CALANOIDA	ACARTIA LONGIREMUS	16	0
	AETEDIUS ARMATUS	12	0
	CALANUS GLACIALIS	16	1
	PSEUDOCALANUS MINUTUS	160	2
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	72	2
CAPRELLIDEA	CAPRELLA EQUILIBRIA	12	0
	CAPRELLA LEVIUSCULA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	TUBULARIA PROLIFER	8	0
CUMACEAE	CUMELLA SPECIES	8	0
	LAMPROPS QUADRIPLICATA	4	0
CYCLOPTERIDAE	LIPARIS FLORAE	10	10
FISH	FISH EGGS	4	0
	FISH LARVAE	20	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	196	5
	ANONYX SPECIES	12	0
	CALLIOPIELLA PRATTI	16	0
	DEXAMONICA (ATYLUS) COLLINGI	8	0
	HYALE FREQUENS	44	0
	ISCHYROCERUS ANGUIPES	256	5
	LAETMATOPHILUS (PHOTIS) SPECIES	44	0

	ODIUS SPECIES (CARANATA GROUP)	964	20
	PARAPLEUSTES PUGETTENSIS	280	5
	PLEUSTES SPECIES (PANOPLA) GROUP A	56	0
	PONTOGENEIA INERMIS	328	5
HARPACTICOIDA	HARPACTICOID SPECIES	352	2
	HARPACTICUS SPECIES	388	3
	PORCELLIDIUM SARSI	36	0
HOLOTHUROIDEA	CUCUMARIA MINIATA	6	40
	HOLOTHUROIDEA SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA UROTOMA	4	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	24	0
	LACUNA CARINATA	8	0
	MARGARITES PUPILLIS	1	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	24	0
	ACANTHOMYSIS NEPHROPHTHALMUS	4	0
NATANTIA	CRANGON SPECIES	1	0
	HEPTACARPUS CARINATUS	1	0
	NATANTIA ZOEA	48	0
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	DODECACERIA FEWSKI	12	0
	NEREIS SPECIES	8	0
TANAIDACEA	LEPTOGNATHIA GRACILIS	4	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 15 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	1448	50
CALANOIDA	ACARTIA LONGIREMUS	170	0
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	7	0
	CALANUS GLACIALIS	260	20
	CALANUS PACIFICUS	35	0
	EPILABIDOCERA AMPHITRITES	28	0
	METRIDIA PACIFICA	2	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	711	20
	SCOLOCITHRICELLA MINOR	15	0
	TORTANUS DISCAUDATUS	38	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	1	0
CHAETOGNATHA	SAGITTA SPECIES	7	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	TUBULARIA PROLIFER	44	0
CYCLOPOIDA	CYCLOPODIA SPECIES	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	CALLIOPIUS LAEVIUSCULUS	13	2
	LAETMATOPHILUS (PHOTIS) SPECIES	5	0

	MELITA SPECIES	5	0
	ODIUS SPECIES (CARANATA GROUP)	32	2
	PLEUSTES SPECIES (PANOPLA) GROUP A	18	2
	PONTOGENEIA INERMIS	3	0
	PROTOMEDIA SPECIES	30	2
	STENOTHOE SPECIES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	35	0
	PORCELLIDIUM SARSI	7	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	EUSYMMERUS SPECIES	1	0
	MUNNA STEPHENSONI	2	0
MOLLUSCA	GASTROPODA JUVENILE	14	0
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	74	2
POLYCHAETA	NEREIS SPECIES	1	0
TANAIDACEA	LEPTOGNATHIA GRACILIS	1	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 5 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURID MEGALOPS	1	0
BRACHYURA	BRACHYURA ZOEA	20	15
CAPRELLIDEA	CAPRELLA LEVIUSCULA	1	0
GAMMARIDEA	ANONYX SPECIES	64	65
	CALLIOPIUS LAEVIUSCULUS	1	0
	ODIUS SPECIES (CARANATA GROUP)	7	3
	PARAPLEUSTES PUGETTENSIS	3	2
	PROTOMEDIA SPECIES	1	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	3	0
HARPACTICOIDA	HARPACTICUS SPECIES	107	15
	PORCELLIDIUM SARSI	1	0
ISOPODA	PENTIDOTEA RESECTA	5	0
NATANTIA	NATANTIA ZOEA	2	0
OSTRACODA	OSTRACODA SPECIES	1	0
SIPUNCULIDAE	SIPUNCULIDAE SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 16 SAMPLE VOLUME = 14 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	698	45
CALANOIDA	ACARTIA LONGIREMUS	44	3
	AETEDIUS ARMATUS	1	0
	CALANUS GLACIALIS	16	2
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	4	0

	EUCALANUS BUNGI BUNGI	4	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	108	5
	SCOLOCITHRICELLA MINOR	7	0
	TORTANUS DISCAUDATUS	5	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
	CAPRELLA LEVIUSCULA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	1	0
	CYPRIS LARVA	2	0
CNIDARIA	CORYNE TUBULOSA	10	0
	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	269	40
CUMACEAE	CUMELLA SPECIES	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FISH	FISH EGGS	10	0
	FISH LARVAE	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	6	0
	LAETMATOPHILUS (PHOTIS) SPECIES	13	0
	ODIUS SPECIES (CARANATA GROUP)	24	0
	PARAPLEUSTES PUGETTENSIS	2	0
	PLEUSTES SPECIES	1	0
	PONTOGENEIA INERMIS	7	0
HARPACTICOIDA	HARPACTICOID SPECIES	54	3
	HARPACTICUS SPECIES	32	2
	PORCELLIDIUM SARSI	9	0
HOLOTHUROIDEA	HOLOTHUROIDEA SPECIES	1	0
ISOPODA	GNATHIA SPECIES	1	0
	MUNNA STEPHENSONI	4	0
LARVACEA	OIKOPLEURA DIOICA	26	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	3	0
	LIRULARIA SPECIES	1	0
	MITRELLA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	10	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 24 SAMPLE VOLUME = 55 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	32	0
	PUGETTIA RICHII	1	5
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	40	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	52	1
	EPILABIDOCERA AMPHITRITES	16	0
	EUCALANUS BUNGI BUNGI	8	0
	METRIDIA PACIFICA	104	2
	PSEUDOCALANUS MINUTUS	112	2

	SCOLOCITHRICELLA MINOR	32	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	4	0
CHILOPODA	CHILOPODA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	24	0
COTTIDAE	SYNCHIRUS GILLI	1	2
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CUMACEAE	DIASTYLOPSIS SPECIES	4	0
	LAMPROPS QUADRIPLICATA	96	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
	LIPARIS SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	72	3
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	8	0
	ODIUS SPECIES (CARANATA GROUP)	200	5
	PARAPLEUSTES PUGETTENSIS	32	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	44	2
	SYNCHELIDIUM SHOEMAKERI	28	0
HARPACTICOIDA	HARPACTICOID SPECIES	332	5
	HARPACTICUS SPECIES	68	0
	PORCELLIDIUM SARSI	40	0
ISOPODA	IDOTEA OCHOTENSIS	4	0
	PENTIDOTEA RESECTA	5	4
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	1012	45
NATANTIA	CRANGON SPECIES	3	4
	HEPTACARPUS BREVIROSTRIS	2	4
	HEPTACARPUS CARINATUS	19	20
	HEPTACARPUS STYLUS	2	4
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	12	0
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 24 SAMPLE VOLUME = 20 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	92	0
CALANOIDA	ACARTIA LONGIREMUS	2	0
	AETEDIUS ARMATUS	4	0
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	8	0
	EUCALANUS BUNGI BUNGI	10	0
	METRIDIA PACIFICA	10	0
	PSEUDOCALANUS MINUTUS	26	0
CIRRIPEDIA	BARNACLE NAUPLII	18	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	6	0
	CORYNE TUBULOSA	74	8
	RATHKEA OCTOPUNCTATA	10	0

	TUBULARIA PROLIFER	254	55
CUMACEAE	CUMELLA SPECIES	2	0
	DIASTYLOPSIS SPECIES	62	0
	LAMPROPS QUADRIPLICATA	18	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	56	8
	ISCHYROCERUS ANGUIPES	8	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PONTOGENEIA INERMIS	10	4
	PONTOGENEIA INTERMEDIA	8	4
	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	44	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	GNATHIA SPECIES	2	0
	PENTIDOTEA RESECTA	2	16
MOLLUSCA	GASTROPODA JUVENILE	36	0
	LACUNA CARINATA	12	0
	MITRELLA CARINATA	2	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
	ACANTHOMYSIS NEPHROPHTHALMUS	220	0
POLYCHAETA	NEREIS SPECIES	1	4

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 24 SAMPLE VOLUME = 24 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	22	0
CALANOIDA	ACARTIA LONGIREMUS	24	0
	AETEDIUS ARMATUS	12	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	106	10
	CALANUS PACIFICUS	30	2
	EPILABIDOCERA AMPHITRITES	2	0
	METRIDIA PACIFICA	22	3
	PSEUDOCALANUS MINUTUS	50	5
	SCOLOCITHRICELLA MINOR	20	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CLADOCERA	EVADNE NORMANI	2	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	4	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	12	0
	TUBULARIA PROLIFER	70	10
GAMMARIDEA	AMPHITHOE LINDBERGI	6	0
	CALLIOPIELLA PRATTI	2	0
	ODIUS SPECIES (CARANATA GROUP)	482	65
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	2	0
	PROTOMEDIA SPECIES	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	14	0

	HARPACTICUS SPECIES	194	5
HYPERIDEA	PARATHEMISTO SPECIES	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	12	0
	GASTROPODA JUVENILE	6	0
	LIRULARIA SPECIES	2	0
NATANTIA	NATANTIA ZOEA	6	0
POLYCHAETA	POLYCHAETA SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 25 SAMPLE VOLUME = 55 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	124	0
	PUGETTIA RICHII	1	10
CALANOIDA	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	776	27
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	8	0
	METRIDIA PACIFICA	64	0
	PSEUDOCALANUS MINUTUS	1464	27
	SCOLOCITHRICELLA MINOR	72	0
	TORTANUS DISCAUDATUS	16	0
CHAETOGNATHA	SAGITTA SPECIES	20	0
CIRRIPEDIA	BARNACLE NAUPLII	188	0
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	EPIACTUS PROLIFERA	4	0
	TUBULARIA PROLIFER	4	0
CYCLOPTERIDAE	LIPARIS FLORAE	12	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	24	0
	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	36	0
	ISCHYROCERUS ANGUIPES	44	0
	ODIUS SPECIES (CARANATA GROUP)	468	18
	PARAPLEUSTES PUGETTENSIS	68	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	64	0
	PONTOGENEIA INERMIS	500	18
HARPACTICOIDA	HARPACTICOID SPECIES	112	0
	HARPACTICUS SPECIES	108	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	12	0
MOLLUSCA	GASTROPODA JUVENILE	24	0
NATANTIA	NATANTIA ZOEA	40	0
TURBELLARIA	TURBELLARIA SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 25 SAMPLE VOLUME = 28 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	880	8
	PUGETTIA RICHII	1	20
CALANOIDA	ACARTIA LONGIREMUS	516	0
	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	2364	40
	CALANUS PACIFICUS	20	0
	CENTROPHAGES ABDOMINALIS	102	0
	EPILABIDOCERA AMPHITRITES	86	0
	EUCALANUS BUNGI BUNGI	8	0
	PSEUDOCALANUS MINUTUS	420	0
	SCOLOCITHRICELLA MINOR	44	0
	TORTANUS DISCAUDATUS	140	0
CHAETOGNATHA	SAGITTA SPECIES	136	0
CIRRIPEDIA	BARNACLE NAUPLII	2390	24
CLADOCERA	EVADNE NORMANI	50	0
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	30	0
	TUBULARIA PROLIFER	198	8
COTTIDAE	COTTID SPECIES	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICUS SPECIES	18	0
HYPERIDEA	PARATHEMISTO SPECIES	10	0
LARVACEA	OIKOPLEURA DIOICA	82	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	98	0
NATANTIA	NATANTIA ZOEA	76	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 28 SAMPLE VOLUME = 75 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ACARI	ACARI SPECIES	8	0
BRACHYURA	BRACHYURA ZOEA	640	0
	PUGETTIA RICHII	2	4
CALANOIDA	ACARTIA LONGIREMUS	80	0
	AETEDIUS ARMATUS	16	0
	EUCALANUS BUNGI BUNGI	40	0
	METRIDIA PACIFICA	256	0

	PSEUDOCALANUS MINUTUS	112	0
	SCOLOCITHRICELLA MINOR	72	0
	TORTANUS DISCAUDATUS	88	0
CIRRIPEDIA	BARNACLE NAUPLII	3200	16
	CYPRIS LARVA	16	0
CUMACEAE	CUMELLA SPECIES	8	0
	DIASTYLOPSIS SPECIES	2376	24
	LAMPROPS QUADRIPLICATA	888	16
CYCLOPTERIDAE	LIPARIS FLORAE	16	0
FISH	FISH EGGS	24	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	64	2
	ANISOGAMMARUS PUGETTENSIS	24	0
	CALLIOPIELLA PRATTI	1000	8
	HYALE FREQUENS	64	0
	ISCHYROCERUS ANGUIPES	200	3
	ODIUS SPECIES (CARANATA GROUP)	24	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PHOTIS BREVIPES	24	0
	PLEUSIRUS SECORRUS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	0
	PONTOGENEIA INERMIS	224	3
	SYNCHELIDIUM SHOEMAKERI	88	2
HARPACTICOIDA	HARPACTICOID SPECIES	208	0
	HARPACTICUS SPECIES	784	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA OCHOTENSIS	40	0
	IDOTEA UROTOMA	16	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	280	0
	LACUNA CARINATA	24	0
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	992	6
NATANTIA	CRANGON SPECIES	32	4
	NATANTIA ZOEA	40	0
NEMATODA	NEMATODA SPECIES	16	0
OSTRACODA	OSTRACODA SPECIES	16	0
PHOLIDAE	APODICHTHYS FLAVIDUS	2	12
POLYCHAETA	AUTOLYTUS SPECIES	8	0
	NEREIS SPECIES	8	0
	SPIONIDAE SPECIES	16	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 28 SAMPLE VOLUME = 8 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	160	5
CALANOIDA	ACARTIA LONGIREMUS	22	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	3	0
	CALANUS PLUMCHRUS	2	0
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	3	0

	METRIDIA PACIFICA	9	0
	PSEUDOCALANUS MINUTUS	76	3
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	18	0
CIRRIPEDIA	BARNACLE NAUPLII	1670	90
	CYPRIS LARVA	5	0
CLADOCERA	EVADNE NORMANI	2	0
CNIDARIA	BLACKFORDIA SPECIES	13	0
	CORYNE TUBULOSA	35	0
	RATHKEA OCTOPUNCTATA	3	0
	TUBULARIA PROLIFER	7	0
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	12	0
	ISCHYROCERUS ANGUIPES	5	0
	ODIUS SPECIES (CARANATA GROUP)	5	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	21	0
	PONTOGENEIA INTERMEDIA	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	152	2
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	12	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	TURBONILLA VALDEZI	2	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 28 SAMPLE VOLUME = 11 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	25	0
	PUGETTIA RICHII	1	5
CALANOIDA	ACARTIA LONGIREMUS	5	0
	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	8	3
	METRIDIA PACIFICA	23	5
	PSEUDOCALANUS MINUTUS	6	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	11	2
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	54	10
CNIDARIA	CORYNE TUBULOSA	1	0
CUMACEAE	DIASTYLOPSIS SPECIES	5	0
	LAMPROPS QUADRIPLICATA	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	13	0
	ODIUS SPECIES (CARANATA GROUP)	58	40
	PARAPLEUSTES PUGETTENSIS	5	0
	PLEUSIRUS SECORRUS	12	10
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	14	10
HARPACTICOIDA	HARPACTICOID SPECIES	43	2

	HARPACTICUS SPECIES	44	3
	PORCELLIDIUM SARSI	3	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	11	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	5	0
NEMATODA	NEMATODA SPECIES	1	0
POLYCHAETA	NEREIS SPECIES	2	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 28 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	10	0
CALANOIDA	ACARTIA LONGIREMUS	12	0
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	7	0
	CALANUS GLACIALIS	753	90
	CALANUS PACIFICUS	7	0
	CALANUS PLUMCHRUS	1	0
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	3	0
	EUCALANUS BUNGI BUNGI	2	0
	EURYTEMORA HIRUNDOIDES	1	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	42	0
	SCOLOCITHRICELLA MINOR	14	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	31	0
CLADOCERA	EVADNE NORMANI	19	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	5	0
	RATHKEA OCTOPUNCTATA	7	0
	TUBULARIA PROLIFER	31	10
FISH	FISH LARVAE	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	3	0
	PORCELLIDIUM SARSI	1	0
HYPERIDEA	PARATHEMISTO SPECIES	5	0
LARVACEA	OIKOPLEURA DIOICA	5	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	2	0
NEMERTEA	NEMERTEA SPECIES	1	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 5 DAY = 28 SAMPLE VOLUME = 70 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA ZOEA	68	0
	PUGETTIA RICHII	4	12
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	4	0
	CALANUS GLACIALIS	12	2
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	108	4
	PSEUDOCALANUS MINUTUS	24	3
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	16	0
CIRRIPEDIA	BARNACLE NAUPLII	48	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
COTTIDAE	BLEPSIAS CIRRHOSUS	1	0
CUMACEAE	DIASTYLOPSIS SPECIES	12	0
CYCLOPTERIDAE	LIPARIS FLORAE	3	3
GAMMARIDEA	ALLORCHESTES ANGUSTUS	244	7
	CALLIOPIELLA PRATTI	20	0
	HYALE FREQUENS	40	0
	ISCHYROCERUS ANGUIPES	100	0
	ODIUS SPECIES (CARANATA GROUP)	1532	36
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSIRUS SECORRUS	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	20	0
	PLEUSTES SPECIES GROUP B	8	0
	PONTOGENEIA INERMIS	204	7
HARPACTICOIDA	HARPACTICOID SPECIES	396	3
	HARPACTICUS SPECIES	1072	8
	PORCELLIDIUM SARSI	36	0
ISOPODA	IDOTEA OCHOTENSIS	4	0
	PENTIDOTEA RESECTA	4	6
MOLLUSCA	CREPIDULA ADUNCA	5	0
	CREPIDULA PERFORANS	4	6
	GASTROPODA JUVENILE	52	0
	LACUNA CARINATA	4	0
	MARGARITES PUPILLIS	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	3
	HEPTACARPUS CARINATUS	2	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	NEREIS SPECIES	4	0
TURBELLARIA	TURBELLARIA SPECIES	8	0

LOCATION - NERC YEAR - 1981 MONTH - 5 DAY - 28 SAMPLE VOLUME - 13 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	19	0
CALANOIDA	ACARTIA LONGIREMUS	27	5
	CALANOID COPEDID	4	2
	CALANUS GLACIALIS	13	3
	EPILABIDOCERA AMPHITRITES	3	0
	EUCALANUS BUNGI BUNGI	3	0
	METRIDIA PACIFICA	26	5
	MICROCALANUS PYGMAEUS	3	0
	PSEUDOCALANUS MINUTUS	27	5
	SCOLOCITHRICELLA MINOR	6	1
	TORTANUS DISCAUDATUS	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	48	10
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	9	0
	PODON POLYPHEMOIDES	3	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
	TUBULARIA PROLIFER	6	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	10
FISH	FISH EGGS	7	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	3	0
	CALLIOPIELLA PRATTI	2	0
	HYALE FREQUENS	6	2
	ISCHYROCERUS ANGUIPES	2	0
	ODIUS SPECIES (CARANATA GROUP)	76	25
	PARAPLEUSTES PUGETTENSIS	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	5	2
HARPACTICOIDA	HARPACTICOID SPECIES	199	25
	HARPACTICUS SPECIES	29	5
	PORCELLIDIUM SARSI	11	0
LARVACEA	OIKOPLEURA DIOICA	61	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	7	0
	GASTROPODA JUVENILE	39	0
NATANTIA	NATANTIA ZOEA	5	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 6 DAY - 8 SAMPLE VOLUME - 7 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	158	15
CALANOIDA	ACARTIA LONGIREMUS	6	0
	AETEDIUS ARMATUS	3	0
	CALANOID COPEDID	3	0
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	7	2
	CENTROPHAGES ABDOMINALIS	2	0
	EURYTEMORA HIRUNDOIDES	2	0
	PSEUDOCALANUS MINUTUS	33	3
	SCOLOCITHRICELLA MINOR	9	0
	TORTANUS DISCAUDATUS	6	0
CIRRIPEDIA	BARNACLE NAUPLII	3	0
	CYPRIS LARVA	12	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	5	0
CNIDARIA	BLACKFORDIA SPECIES	56	15
	CORYNE TUBULOSA	102	50
	RATHKEA OCTOPUNCTATA	22	15
	TUBULARIA CHRISTINAE	3	0
GAMMARIDEA	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	3	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	45	0
	HARPACTICUS SPECIES	56	0
	PORCELLIDIUM SARSI	1	0
MOLLUSCA	GASTROPODA JUVENILE	5	0
	LACUNA CARINATA	1	0
	MITRELLA CARINATA	1	0
	TURBONILLA VALDEZI	1	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	0
	NATANTIA ZOEA	9	0
POLYCHAETA	AUTOLYTUS SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 6 DAY - 8 SAMPLE VOLUME - 15 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	158	10
CALANOIDA	ACARTIA LONGIREMUS	29	2
	AETEDIUS ARMATUS	7	0
	CALANOID COPEDID	1	0

	CALANUS GLACIALIS	29	2
	CALANUS PACIFICUS	2	0
	CENTROPHAGES ABDOMINALIS	19	2
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	1	0
	MONSTRILLA SPECIES	1	0
	PARACALANUS PARVIS	2	0
	PSEUDOCALANUS MINUTUS	177	5
	SCOLOCITHRICELLA MINOR	54	4
	TORTANUS DISCAUDATUS	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	3	0
	CYPRIS LARVA	10	0
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	AGLANTHA DIGITALE	6	0
	BLACKFORDIA SPECIES	169	20
	CORYNE PRINCEPS	1	0
	CORYNE TUBULOSA	313	40
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	21	0
	TUBULARIA PROLIFER	9	0
COTTIDAE	COTTID SPECIES	1	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
	MESOLAMPROPS SPECIES	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	36	5
	CALLIOPIUS LAEVIUSCULUS	1	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	17	5
	LAETMATOPHILUS (PHOTIS) SPECIES	1	0
	PONTOGENEIA INERMIS	3	0
	PONTOGENEIA INTERMEDIA	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	45	0
	HARPACTICUS SPECIES	115	5
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	EUSYMMERUS SPECIES	4	0
	IDOTEA OCHOTENSIS	2	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	GASTROPODA JUVENILE	13	0
	LACUNA CARINATA	1	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	0
	NATANTIA ZOEA	9	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 6 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	116	40
CALANOIDA	ACARTIA LONGIREMUS	3	0
	CALANOID COPEDID	4	0
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	1	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	10	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	3	0
	CYPRIS LARVA	20	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	12	10
	CORYNE TUBULOSA	47	40
	OBELIA LONGISSIMA	3	0
	RATHKEA OCTOPUNCTATA	15	10
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	1	0
	HIPPOMEDON SPECIES	4	0
	ISCHYROCERUS ANGUIPES	1	0
	STENOTHOE SPECIES	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	45	0
	PORCELLIDIUM SARSI	2	0
INSECTA	CHIRONOMIDAE PUPA	1	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
NATANTIA	NATANTIA ZOEA	3	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 9 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ASTEROIDEA	ASTEROIDIDEA SPECIES	1	0
BRACHYURA	BRACHYURA ZOEA	89	10
CALANOIDA	ACARTIA LONGIREMUS	33	10
	AETEDIUS ARMATUS	1	0
	CALANUS GLACIALIS	2	0
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	37	10
	SCOLOCITHRICELLA MINOR	17	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0

	CYPRIS LARVA	80	10
CLADOCERA	EVADNE NORMANI	2	0
CNIDARIA	BLACKFORDIA SPECIES	11	5
	CORYNE TUBULOSA	26	20
	EUPHYSA TENTACULATA	1	0
	RATHKEA OCTOPUNCTATA	11	5
	TUBULARIA PROLIFER	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	15	10
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	2	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	31	5
	HARPACTICUS SPECIES	34	5
	PORCELLIDIUM SARSI	4	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	1	0
	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	40	10
	LIRULARIA SPECIES	3	0
NATANTIA	NATANTIA ZOEA	4	0
POLYCHAETA	AUTOLYTUS SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 6 DAY - 8 SAMPLE VOLUME - 8 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	4976	95
CALANOIDA	ACARTIA LONGIREMUS	41	1
	AETEDIUS ARMATUS	32	0
	CALANOID COPEDID	9	0
	CALANUS GLACIALIS	44	1
	CALANUS PLUMCHRUS	1	0
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	6	0
	MONSTRILLA SPECIES	3	0
	PSEUDOCALANUS MINUTUS	108	3
	SCOLOCITHRICELLA MINOR	44	1
CALICOIDA	CALIGUS SPECIES	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	5	0
	CYPRIS LARVA	24	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	9	0
	RATHKEA OCTOPUNCTATA	5	0
	TUBULARIA CHRISTINAE	2	0

	TUBULARIA PROLIFER	25	0
CTENOPHORA	CTENOPHORE SPECIES	1	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	3	0
FISH	FISH EGGS	5	0
	FISH LARVAE	3	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	22	0
	ANONYX SPECIES	1	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	15	0
	ODIUS SPECIES (CARANATA GROUP)	12	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	27	0
	STENOTHOE SPECIES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	PORCELLIDIUM SARSI	5	0
LARVACEA	OIKOPLEURA DIOICA	43	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	16	0
NATANTIA	CRANGON SPECIES	1	0
	NATANTIA ZOEA	55	0
PHOLIDAE	PHOLIDAE SPECIES	5	0
POLYCHAETA	SPIONIDAE SPECIES	3	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 20 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2190	69
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	34	1
	AETEDIUS SPECIES	2	0
	CALANOID COPEDID	8	0
	CALANOID NAUPLII	14	0
	CALANUS GLACIALIS	28	0
	CALANUS PACIFICUS	2	0
	METRIDIA PACIFICA	12	0
	PSEUDOCALANUS MINUTUS	48	2
	SCOLOCITHRICELLA-MINOR	48	2
	TORTANUS DISCAUDATUS	6	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	92	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	10	1
	RATHKEA OCTOPUNCTATA	16	1
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	20	1
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	8	0
GAMMARIDEA	CALLIOPIUS LAEVIUSCULUS	12	1
	ISCHYROCERUS ANGUIPES	26	1

	ODIUS SPECIES (CARANATA GROUP)	12	1
	PLEUSTES SPECIES (PANOPLA) GROUP A	12	1
	PLEUSTES SPECIES GROUP D	2	0
	PONTOGENEIA INERMIS	84	9
	PROTOMEDIA SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	30	0
	PORCELLIDIUM SARSI	8	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	8	0
NATANTIA	HEPTACARPUS CARINATUS	1	5
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	94	5
POLYCHAETA	SPIONIDAE SPECIES	18	0

LOCATION = NERC   YEAR = 1981   MONTH = 6   DAY = 8   SAMPLE VOLUME = 16 ML
AT THE SURFACE   SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	20	0
CALANOIDA	ACARTIA LONGIREMUS	13	0
	CALANOID COPEDID	14	0
	CALANUS GLACIALIS	233	35
	CALANUS PACIFICUS	7	0
	CALANUS PLUMCHRUS	1	0
	GAETANUS INTERMEDIUS	1	0
	METRIDIA PACIFICA	7	0
	PSEUDOCALANUS MINUTUS	35	3
	SCOLOCITHRICELLA MINOR	26	2
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	29	5
	CYPRIS LARVA	159	15
CLADOCERA	EVADNE NORMANI	3	0
CNIDARIA	BLACKFORDIA SPECIES	11	0
	CORYNE TUBULOSA	10	5
	TUBULARIA PROLIFER	55	15
CUMACEAE	LAMPROPS QUADRIPLICATA	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	5	3
	ODIUS SPECIES (CARANATA GROUP)	2	1
	PONTOGENEIA INERMIS	1	1
	PONTOGENEIA INTERMEDIA	2	1
	PROTOMEDIA SPECIES	5	3
	SYNCHELIDIUM SHOEMAKERI	2	1
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	9	0
	PORCELLIDIUM SARSI	9	0
INSECTA	CERATOPOGONIDAE SPECIES	1	0

LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	34	10
	LACUNA CARINATA	5	0
	TURBONILLA VALDEZI	1	0
NATANTIA	NATANTIA ZOEA	6	0
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 8 SAMPLE VOLUME = 15 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	692	50
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	3	0
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	4	0
	EURYTEMORA HIRUNDOIDES	3	0
	METRIDIA PACIFICA	2	0
	PARACALANUS PARVIS	1	0
	PSEUDOCALANUS MINUTUS	11	0
	TORTANUS DISCAUDATUS	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	10	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	CORYNE TUBULOSA	2	0
	TUBULARIA PROLIFER	2	0
COTTIDAE	COTTID SPECIES	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	30	10
	ODIUS SPECIES (CARANATA GROUP)	35	10
	PLEUSTES SPECIES (PANOPLA) GROUP A	31	10
	PLEUSTES SPECIES GROUP B	5	0
	PONTOGENEIA INERMIS	37	10
	PONTOGENEIA INTERMEDIA	7	0
	PONTOGENEIA ROSTRATA	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	299	10
	HARPACTICUS SPECIES	54	0
	PORCELLIDIUM SARSI	10	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	2	0
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	7	0
POLYCHAETA	NEREIS SPECIES	1	0
	SPIONIDAE SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 6 DAY - 8 SAMPLE VOLUME - 9 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	110	20
CALANOIDA	ACARTIA LONGIREMUS	33	5
	AETEDIUS SPECIES	1	0
	CALANOID COPEDID	3	0
	CALANUS GLACIALIS	26	10
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	55	10
	SCOLOCITHRICELLA MINOR	45	10
	TORTANUS DISCAUDATUS	1	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	1	0
CHAETOGNATHA	SAGITTA SPECIES	16	5
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	110	16
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	1	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	4	0
FISH	FISH EGGS	77	0
	FISH LARVAE	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	HYALE FREQUENS	3	0
	ISCHYROCERUS ANGUIPES	10	2
	ODIUS SPECIES (CARANATA GROUP)	12	3
	PARAPLEUSTES PUGETTENSIS	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	6	2
	PONTOGENEIA INERMIS	10	2
HARPACTICOIDA	HARPACTICOID SPECIES	114	10
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	24	5
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	1	0
	LIRULARIA SPECIES	3	0
NATANTIA	NATANTIA ZOEA	8	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 6 DAY - 8 SAMPLE VOLUME - 12 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	30	0
CALANOIDA	ACARTIA LONGIREMUS	278	25
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	43	2
	EPILABIDOCERA AMPHITRITES	6	0
	PSEUDOCALANUS MINUTUS	5	0
	SCOLOCITHRICELLA MINOR	20	2
	TORTANUS DISCAUDATUS	18	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	15	0
CIRRIPEDIA	BARNACLE NAUPLII	11	0
	CYPRIS LARVA	873	60
CLADOCERA	EVADNE NORMANI	10	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	RATHKEA OCTOPUNCTATA	10	0
	TUBULARIA PROLIFER	57	5
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	CALLIOPIUS LAEVIUSCULUS	17	3
	ISCHYROCERUS ANGUIPES	7	1
	ODIUS SPECIES (CARANATA GROUP)	6	1
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	2	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	17	0
	HARPACTICUS SPECIES	33	0
	PORCELLIDIUM SARSI	6	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	71	0
	LIRULARIA SPECIES	8	0
NATANTIA	NATANTIA ZOEA	4	0
POLYCHAETA	SPIONIDAE SPECIES	8	0

LOCATION - NERC YEAR - 1981 MONTH - 6 DAY - 9 SAMPLE VOLUME - 80 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA RICHII	22	100
COTTIDAE	BLEPSIAS CIRRHOSUS	1	0
ISOPODA	PENTIDOTEA RESECTA	2	0
PHOLIDAE	APODICHTHYS FLAVIDUS	1	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 130 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	296	0
CALANOIDA	CALANUS GLACIALIS	104	0
	PSEUDOCALANUS MINUTUS	144	0
	SCOLOCITHRICELLA MINOR	48	0
	TORTANUS DISCAUDATUS	160	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	CORYNE TUBULOSA	168	0
	HYDRACTINIA SPECIES	8	0
	RATHKEA OCTOPUNCTATA	80	0
	TUBULARIA PROLIFER	16	0
CUMACEAE	DIASTYLOPSIS SPECIES	8	0
	LAMPROPS QUADRIPLICATA	288	0
FISH	FISH EGGS	8	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	56	5
	CALLIOPIELLA PRATTI	3344	40
	HYALE FREQUENS	24	0
	ISCHYROCERUS ANGUIPES	880	10
	ODIUS SPECIES (CARANATA GROUP)	96	5
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	0
	PONTOGENEIA INERMIS	1744	20
	SYNCHELIDIUM SHOEMAKERI	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	1640	0
	HARPACTICUS SPECIES	240	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA RUFESCENS	40	0
	IDOTEA UROTOMA	16	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	336	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	840	20
	ACANTHOMYSIS MACROPSIS	16	0
NATANTIA	CRANGON SPECIES	48	0
	NATANTIA ZOEA	64	0
OSTRACODA	OSTRACODA SPECIES	16	0
PHOLIDAE	PHOLIDAE SPECIES	8	0
POLYCHAETA	NEREIS SPECIES	16	0
	SPIONIDAE SPECIES	8	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 26 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	538	10
CALANOIDA	ACARTIA LONGIREMUS	8	0
	CALANUS GLACIALIS	24	0
	CENTROPHAGES ABDOMINALIS	8	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	68	0
	SCOLOCITHRICELLA MINOR	52	0
	TORTANUS DISCAUDATUS	26	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	2	0
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	26	0
	DIPLEUROSOMA TYPICUM	4	0
	EUPHYSA SPECIES	2	0
	HYDRACTINIA SPECIES	2	0
	RATHKEA OCTOPUNCTATA	650	60
	TUBULARIA CHRISTINAE	6	0
	TUBULARIA PROLIFER	66	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
CUMACEAE	DIASTYLOPSIS SPECIES	4	0
	LAMPROPS QUADRIPLICATA	4	0
FISH	FISH EGGS	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	232	15
	HYALE FREQUENS	18	0
	ISCHYROCERUS ANGUIPES	48	0
	ODIUS SPECIES (CARANATA GROUP)	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	58	5
HARPACTICOIDA	HARPACTICOID SPECIES	190	0
	HARPACTICUS SPECIES	390	10
	PORCELLIDIUM SARSI	8	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	IDOTEA UROTOMA	20	0
	MUNNA STEPHENSONI	2	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	6	0
	LACUNA CARINATA	66	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	8	0
NATANTIA	NATANTIA ZOEA	40	0
OSTRACODA	OSTRACODA SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 18 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	72	0
	BRACHYURA ZOEA	198	0
CALANOIDA	ACARTIA LONGIREMUS	108	0
	AETEDIUS ARMATUS	72	0
	CALANUS GLACIALIS	648	0
	EPILABIDOCERA AMPHITRITES	18	0
	METRIDIA PACIFICA	108	0
	PSEUDOCALANUS MINUTUS	7416	30
	SCOLOCITHRICELLA MINOR	2250	10
	TORTANUS DISCAUDATUS	558	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	72	0
CHAETOGNATHA	SAGITTA SPECIES	90	0
CIRRIPEDIA	BARNACLE NAUPLII	126	0
	CYPRIS LARVA	18	0
CLADOCERA	PODON POLYPHEMOIDES	72	0
CNIDARIA	BLACKFORDIA SPECIES	18	0
	CORYNE TUBULOSA	18	0
	EUPHYSA TENTACULATA	18	0
	RATHKEA OCTOPUNCTATA	72	0
	TUBULARIA PROLIFER	54	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	90	0
FISH	FISH EGGS	36	0
	FISH LARVAE	36	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	414	0
	ANONYX SPECIES	18	0
	CALLIOPIELLA PRATTI	36	0
	HYALE FREQUENS	108	0
	ISCHYROCERUS ANGUIPES	2502	25
	ODIUS SPECIES (CARANATA GROUP)	2250	25
	PARAPLEUSTES PUGETTENSIS	216	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	864	0
	PLEUSTES SPECIES GROUP D	18	0
	PONTOGENEIA INERMIS	270	0
HARPACTICOIDA	HARPACTICOID SPECIES	3492	10
	HARPACTICUS SPECIES	396	0
	PORCELLIDIUM SARSI	144	0
HYPERIDEA	PARATHEMISTO SPECIES	36	0
ISOPODA	IDOTEA RUFESCENS	18	0
	IDOTEA UROTOMA	36	0
LARVACEA	OIKOPLEURA DIOICA	198	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	54	0
	GASTROPODA JUVENILE	18	0
	LACUNA CARINATA	1170	0
MYSIDACEAE	ACANTHOMYSIS SCULPTA	72	0
NATANTIA	NATANTIA ZOEA	1062	0
POLYCHAETA	SPIONIDAE SPECIES	36	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 4 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANUS GLACIALIS	24	30
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	5	0
	PSEUDOCALANUS MINUTUS	5	0
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	1	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	CORYNE TUBULOSA	7	0
	EUPHYSA TENTACULATA	2	0
	RATHKEA OCTOPUNCTATA	51	40
	TUBULARIA PROLIFER	34	30
FISH	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	5	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
HARPACTICOIDA	PORCELLIDIUM SARSI	1	0
HYPERIDEA	PARATHEMISTO SPECIES	7	0
INSECTA	APHIDIDAE SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	1	0
	MUNNA STEPHENSONI	2	0
MOLLUSCA	GASTROPODA JUVENILE	20	0
	LIRULARIA SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 40 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	68	0
CALANOIDA	AETEDIUS ARMATUS	6	0
	CALANUS GLACIALIS	4	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	54	0
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	22	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0
CIRRIPEDIA	CYPRIS LARVA	10	0
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	6	0
COTTIDAE	SYNCHIRUS GILLI	2	0
CUMACEAE	DIASTYLOPSIS SPECIES	2	0

FISH	FISH EGGS	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	42	0
	CALLIOPIELLA PRATTI	10	0
	ISCHYROCERUS ANGUIPES	164	20
	ODIUS SPECIES (CARANATA GROUP)	446	40
	PARAPLEUSTES PUGETTENSIS	10	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	36	0
	PONTOGENEIA INERMIS	84	0
HARPACTICOIDA	HARPACTICOID SPECIES	990	30
	HARPACTICUS SPECIES	376	10
	PORCELLIDIUM SARSI	2	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	10	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	80	0
NATANTIA	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	2	0
POLYCHAETA	NEREIS SPECIES	2	0
TURBELLARIA	TURBELLARIA SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 19 SAMPLE VOLUME = 24 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	200	20
CALANOIDA	ACARTIA LONGIREMUS	32	5
	AETEDIUS ARMATUS	18	0
	CALANUS GLACIALIS	52	5
	PSEUDOCALANUS MINUTUS	76	5
	SCOLOCITHRICELLA MINOR	40	5
	TORTANUS DISCAUDATUS	20	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	46	0
CIRRIPEDIA	BARNACLE NAUPLII	10	0
	CYPRIS LARVA	6	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	4	0
	EUPHYSA TENTACULATA	4	0
	RATHKEA OCTOPUNCTATA	54	0
	TUBULARIA PROLIFER	12	0
FISH	FISH EGGS	72	0
	FISH LARVAE	6	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	6	0
	CALLIOPIELLA PRATTI	50	10
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	26	5
	PLEUSTES SPECIES	96	20
	PLEUSTES SPECIES (PANOPLA) GROUP A	6	0
	PONTOGENEIA INERMIS	26	5

HARPACTICOIDA	HARPACTICOID SPECIES	264	5
	HARPACTICUS SPECIES	556	15
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	4	0
	MUNNA STEPHENSONI	2	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	LACUNA CARINATA	26	0
NATANTIA	NATANTIA ZOEA	12	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 80 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	528	0
	PUGETTIA RICHII	1	8
CALANOIDA	ACARTIA LONGIREMUS	264	0
	CALANUS GLACIALIS	16	0
	CENTROPHAGES ABDOMINALIS	56	0
	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	2520	62
	SCOLOCITHRICELLA MINOR	272	0
	TORTANUS DISCAUDATUS	288	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	CORYNE TUBULOSA	48	4
	EUPHYSA TENTACULATA	16	0
	RATHKEA OCTOPUNCTATA	32	2
	TUBULARIA CHRISTINAE	8	0
	TUBULARIA PROLIFER	40	4
	VELELLA VELELLA	1	2
FISH	FISH EGGS	8	0
	FISH LARVAE	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	312	9
	HYALE FREQUENS	8	0
	ISCHYROCERUS ANGUIPES	16	0
	ODIUS SPECIES (CARANATA GROUP)	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	56	0
	HARPACTICUS SPECIES	72	0
	PORCELLIDIUM SARSI	16	0
ISOPODA	IDOTEA RUFESCENS	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	LACUNA CARINATA	368	9
MYSIDACEAE	ACANTHOMYSIS DAVISI	24	0
NATANTIA	NATANTIA ZOEA	64	0
NEMATODA	NEMATODA SPECIES	8	0
OSTRACODA	OSTRACODA SPECIES	8	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 48 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	60	0
	PUGETTIA RICHII	1	14
CALANOIDA	ACARTIA LONGIREMUS	19	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	18	0
	CENTROPHAGES ABDOMINALIS	5	0
	EURYTEMORA HIRUNDOIDES	2	0
	PSEUDOCALANUS MINUTUS	303	32
	SCOLOCITHRICELLA MINOR	18	0
	TORTANUS DISCAUDATUS	10	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	CORYNE TUBULOSA	4	0
	EUPHYSA TENTACULATA	1	0
	RATHKEA OCTOPUNCTATA	3	0
	TUBULARIA PROLIFER	24	16
COTTIDAE	COTTID SPECIES	1	2
CUMACEAE	CUMELLA SPECIES	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	2
FISH	FISH EGGS	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	27	12
	HYALE FREQUENS	9	4
	ISCHYROCERUS ANGUIPES	6	0
	ODIUS SPECIES (CARANATA GROUP)	3	0
	PARAPLEUSTES PUGETTENSIS	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	35	0
	PORCELLIDIUM SARSI	3	0
INSECTA	CHIRONOMIDAE LARVAE	1	0
	CHIRONOMIDAE PUPA	2	0
ISOPODA	IDOTEA RUFESCENS	1	0
	IDOTEA UROTOMA	3	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	58	16
MYSIDACEAE	ACANTHOMYSIS DAVISI	5	0
NATANTIA	NATANTIA ZOEA	7	0
NEMATODA	NEMATODA SPECIES	1	0
OSTRACODA	OSTRACODA SPECIES	3	0
PHOLIDAE	APODICHTHYS FLAVIDUS	2	2

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 55 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	116	0
CALANOIDA	ACARTIA LONGIREMUS	68	0
	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	1116	60
	CENTROPHAGES ABDOMINALIS	20	0
	EPILABIDOCERA AMPHITRITES	36	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	4	0
	METRIDIA PACIFICA	4	0
	MICROCALANUS PYGMAEUS	4	0
	PSEUDOCALANUS MINUTUS	1376	30
	SCOLOCITHRICELLA MINOR	84	0
	TORTANUS DISCAUDATUS	48	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	40	0
	CORYNE TUBULOSA	24	0
	EUPHYSA TENTACULATA	4	0
	RATHKEA OCTOPUNCTATA	144	5
	TUBULARIA PROLIFER	80	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	184	0
CUMACEAE	CUMELLA SPECIES	4	0
FISH	FISH EGGS	8	0
	FISH LARVAE	20	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	8	0
HARPACTICOIDA	HARPACTICUS SPECIES	4	0
HYPERIDEA	PARATHEMISTO SPECIES	12	0
ISOPODA	IDOTEA RUFESCENS	4	0
MOLLUSCA	LACUNA CARINATA	12	0
NATANTIA	NATANTIA ZOEA	340	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 3 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	9	5
CALANOIDA	ACARTIA LONGIREMUS	8	0
	CALANOID COPEDID	6	0
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	41	30
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	1	0

	PSEUDOCALANUS MINUTUS	42	30
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	7	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	3	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	4	5
	RATHKEA OCTOPUNCTATA	2	5
	TUBULARIA PROLIFER	15	20
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH EGGS	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	3	0
ISOPODA	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	5	5

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 68 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	428	12
	PUGETTIA GRACILIS	1	4
CALANOIDA	CALANOID COPEDID	20	0
	CALANUS GLACIALIS	32	0
	CENTROPHAGES ABDOMINALIS	48	0
	EPILABIDOCERA AMPHITRITES	4	0
	PSEUDOCALANUS MINUTUS	472	12
	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	136	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	BLACKFORDIA SPECIES	20	0
	CORYNE TUBULOSA	16	0
	TUBULARIA PROLIFER	4	0
COTTIDAE	SYNCHIRUS GILLI	4	0
CUMACEAE	DIASTYLOPSIS SPECIES	12	0
	LAMPROPS QUADRIPLICATA	4	0
CYCLOPTERIDAE	LIPARIS FLORAE	4	0
FISH	FISH EGGS	4	0
	FISH LARVAE	8	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	CALLIOPIELLA PRATTI	180	6
	COROPHIUM BREVIS	4	0
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	24	0
	ODIUS SPECIES (CARANATA GROUP)	708	24
	PLEUSTES SPECIES (PANOPLA) GROUP A	12	0

	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	452	3
	HARPACTICUS SPECIES	520	3
	PORCELLIDIUM SARSI	20	0
ISOPODA	PENTIDOTEA RESECTA	10	16
MOLLUSCA	CALLIOSTOMA LIGATUM	1	0
	CREPIDULA ADUNCA	7	4
	EUBRANCHUS OLIVACEUS	4	0
NATANTIA	HEPTACARPUS STYLUS	5	8
	HIPPOLYTE CLARKI	4	8
	NATANTIA ZOEA	48	0
OSTRACODA	OSTRACODA SPECIES	16	0

LOCATION = NERC YEAR = 1981 MONTH = 6 DAY = 29 SAMPLE VOLUME = 53 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	364	7
	PUGETTIA RICHII	2	24
CALANOIDA	ACARTIA LONGIREMUS	20	0
	AETEDIUS ARMATUS	12	0
	CALANUS GLACIALIS	100	2
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	636	10
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	132	3
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	EVADNE NORMANI	4	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	20	0
	EUPHYSA SPECIES	4	0
	EUPHYSA TENTACULATA	32	0
	RATHKEA OCTOPUNCTATA	56	0
	TUBULARIA PROLIFER	92	0
CUMACEAE	DIASTYLOPSIS SPECIES	4	0
	LAMPROPS QUADRIPLICATA	12	0
FISH	FISH EGGS	20	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	CALLIOPIELLA PRATTI	4	0
	ISCHYROCERUS ANGUIPES	24	0
	ODIUS SPECIES (CARANATA GROUP)	504	42
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	20	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	300	3
	HARPACTICUS SPECIES	432	3
	PORCELLIDIUM SARSI	16	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	72	0
	IDOTEA UROTOMA	32	0

	PENTIDOTEA RESECTA	3	6
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	CREPIDULA FORNICATA	4	0
	LACUNA CARINATA	88	0
	LACUNA MARMORATA	4	0
NATANTIA	HEPTACARPUS CARINATUS	12	0
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	76	0
OSTRACODA	OSTRACODA SPECIES	12	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 80 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	308	0
CALANOIDA	ACARTIA LONGIREMUS	24	0
	CENTROPHAGES ABDOMINALIS	4	0
	PSEUDOCALANUS MINUTUS	144	0
	TORTANUS DISCAUDATUS	40	0
CIRRIPEDIA	BARNACLE NAUPLII	12	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	CORYNE TUBULOSA	12	0
	RATHKEA OCTOPUNCTATA	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2012	50
	HYALE FREQUENS	32	0
	ISCHYROCERUS ANGUIPES	156	0
	ODIUS SPECIES (CARANATA GROUP)	40	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	24	0
	PONTOGENEIA INERMIS	2380	50
HARPACTICOIDA	HARPACTICOID SPECIES	268	0
	HARPACTICUS SPECIES	664	0
ISOPODA	IDOTEA UROTOMA	16	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	40	0
NATANTIA	NATANTIA ZOEA	68	0
OSTRACODA	OSTRACODA SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 9 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	116	30
	PUGETTIA RICHII	4	0
CALANOIDA	ACARTIA LONGIREMUS	15	3
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	11	2

	PSEUDOCALANUS MINUTUS	103	20
	SCOLOCITHRICELLA MINOR	7	0
	TORTANUS DISCAUDATUS	29	5
CIRRIPEDIA	BARNACLE NAUPLII	3	0
CLADOCERA	EVADNE NORMANI	2	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	4	0
	EUPHYSA TENTACULATA	3	0
	RATHKEA OCTOPUNCTATA	26	5
	TUBULARIA PROLIFER	11	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
CUMACEAE	CUMELLA SPECIES	1	0
FISH	FISH EGGS	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	81	20
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	13	0
	ODIUS SPECIES (CARANATA GROUP)	3	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	21	10
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	3	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	12	0
	MUNNA STEPHENSONI	1	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	11	0
	LACUNA CARINATA	4	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	3	0
NATANTIA	NATANTIA ZOEA	10	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 7 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	10	0
	BRACHYURA ZOEA	297	5
CALANOIDA	ACARTIA LONGIREMUS	97	0
	AETEDIUS ARMATUS	5	0
	CALANOID COPEDID	2	0
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	103	10
	CENTROPHAGES ABDOMINALIS	31	0
	EPILABIDOCERA AMPHITRITES	3	0
	EUCALANUS BUNGI BUNGI	2	0
	METRIDIA PACIFICA	79	0
	PSEUDOCALANUS MINUTUS	894	80
	SCOLOCITHRICELLA MINOR	44	0
	TORTANUS DISCAUDATUS	55	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
CLADOCERA	EVADNE NORMANI	12	0

	PODON POLYPHEMOIDES	21	0
CNIDARIA	AGLANTHA DIGITALE	5	0
	BLACKFORDIA SPECIES	7	0
	CORYNE TUBULOSA	6	0
	EUPHYSA TENTACULATA	2	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	26	0
	TUBULARIA PROLIFER	41	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	10	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	6	0
	FISH LARVAE	6	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	2	0
	PORCELLIDIUM SARSI	1	0
HYPERIDEA	PARATHEMISTO SPECIES	9	0
ISOPODA	IDOTEA RUFESCENS	16	0
	MUNNA STEPHENSONI	4	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	59	0
NATANTIA	NATANTIA ZOEA	233	5

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 7 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	71	30
CALANOIDA	ACARTIA LONGIREMUS	34	10
	CALANUS GLACIALIS	13	10
	CENTROPHAGES ABDOMINALIS	5	0
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	33	10
	SCOLOCITHRICELLA MINOR	5	0
	TORTANUS DISCAUDATUS	3	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	CORYNE TUBULOSA	1	0
	EUPHYSA TENTACULATA	1	0
	RATHKEA OCTOPUNCTATA	10	10
	TUBULARIA PROLIFER	16	15
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FISH	FISH EGGS	65	7
	FISH LARVAE	2	3
GAMMARIDEA	CALLIOPIELLA PRATTI	3	0
	ISCHYROCERUS ANGUIPES	4	0
HARPACTICOIDA	PORCELLIDIUM SARSI	3	0

ISOPODA	IDOTEA RUFESCENS	13	3
	IDOTEA UROTOMA	9	2
LARVACEA	OIKOPLEURA DIOICA	5	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	3	0
NATANTIA	NATANTIA ZOEA	15	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 56 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	152	6
	PUGETTIA RICHII	3	28
CALANOIDA	ACARTIA LONGIREMUS	26	0
	AETEDIUS ARMATUS	6	0
	CALANUS GLACIALIS	8	0
	CENTROPHAGES ABDOMINALIS	20	0
	EPILABIDOCERA AMPHITRITES	2	0
	METRIDIA PACIFICA	6	0
	PSEUDOCALANUS MINUTUS	308	18
	SCOLOCITHRICELLA MINOR	28	0
	TORTANUS DISCAUDATUS	54	6
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	26	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	2	0
	EUPHYSA TENTACULATA	2	0
	RATHKEA OCTOPUNCTATA	18	3
	TUBULARIA PROLIFER	32	3
COTTIDAE	BLEPSIAS CIRRHOSUS	1	4
	SYNCHIRUS GILLI	1	4
CYCLOPTERIDAE	LIPARIS FLORAE	2	4
FISH	FISH EGGS	2	0
	FISH LARVAE	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	10	0
	ISCHYROCERUS ANGUIPES	58	3
	ODIUS SPECIES (CARANATA GROUP)	44	3
	PLEUSTES SPECIES (PANOPLA) GROUP A	10	0
	PONTOGENEIA INERMIS	18	0
HARPACTICOIDA	HARPACTICOID SPECIES	252	6
	HARPACTICUS SPECIES	46	0
	PORCELLIDIUM SARSI	6	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	126	6
	IDOTEA UROTOMA	42	0
MOLLUSCA	LACUNA CARINATA	2	0
NATANTIA	HEPTACARPUS CARINATUS	12	3
	NATANTIA ZOEA	70	3

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 9 SAMPLE VOLUME = 8 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	30	10
CALANOIDA	ACARTIA LONGIREMUS	14	5
	CALANUS GLACIALIS	6	0
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	3	0
	PSEUDOCALANUS MINUTUS	53	10
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	11	5
CHAETOGNATHA	SAGITTA SPECIES	3	0
CIRRIPEDIA	BARNACLE NAUPLII	5	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	3	0
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	5	5
	TUBULARIA PROLIFER	9	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	0
FISH	FISH EGGS	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	32	10
	HYALE FREQUENS	5	0
	ISCHYROCERUS ANGUIPES	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PLEUSTES SPECIES GROUP D	3	0
	PONTOGENEIA INERMIS	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	15	0
	HARPACTICUS SPECIES	6	0
ISOPODA	IDOTEA RUFESCENS	101	30
	IDOTEA UROTOMA	46	20
MOLLUSCA	GASTROPODA JUVENILE	14	0
NATANTIA	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	12	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 55 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	1284	80
CALANOIDA	ACARTIA LONGIREMUS	88	5
	AETEDIUS ARMATUS	4	0
	CALANOID NAUPLII	48	2
	PSEUDOCALANUS MINUTUS	48	2
	SCOLOCITHRICELLA MINOR	20	1

	TORTANUS DISCAUDATUS	4	0
CIRRIPEDIA	BARNACLE NAUPLII	188	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	12	0
	PODON POLYPHEMOIDES	52	0
CNIDARIA	CORYNE TUBULOSA	16	0
	EUPHYSA SPECIES	4	0
	TUBULARIA PROLIFER	40	0
CUMACEAE	CUMELLA SPECIES	4	0
FISH	FISH EGGS	4	0
	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	148	10
	PONTOGENEIA INERMIS	12	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	80	0
	PORCELLIDIUM SARSI	4	0
LARVACEA	OIKOPLEURA DIOICA	48	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	20	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	4	0
NATANTIA	NATANTIA ZOEA	44	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 15 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	77	10
CALANOIDA	ACARTIA LONGIREMUS	59	20
	AETEDIUS ARMATUS	3	0
	CALANOID NAUPLII	15	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	3	5
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	35	10
	SCOLOCITHRICELLA MINOR	6	5
	TORTANUS DISCAUDATUS	3	0
CALICOIDA	CALIGUS SPECIES	1	0
CHAETOGNATHA	SAGITTA SPECIES	3	0
CIRRIPEDIA	BARNACLE NAUPLII	113	10
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	11	0
	PODON POLYPHEMOIDES	46	0
CNIDARIA	BLACKFORDIA SPECIES	15	15
	EUPHYSA TENTACULATA	11	15
	RATHKEA OCTOPUNCTATA	1	0
	TUBULARIA PROLIFER	5	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH EGGS	5	0
	FISH LARVAE	1	0

GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	6	5
	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	19	0
	PORCELLIDIUM SARSI	1	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	49	5
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	3	0
NATANTIA	NATANTIA ZOEA	14	0
OSTRACODA	OSTRACODA SPECIES	1	0

LOCATION - NERC YEAR - 1981 MONTH - 7 DAY - 16 SAMPLE VOLUME - 15 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	31	0
CALANOIDA	ACARTIA LONGIREMUS	127	20
	AETEDIUS ARMATUS	8	0
	CALANOID NAUPLII	69	0
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	4	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	231	20
	SCOLOCITHRICELLA MINOR	23	5
	TORTANUS DISCAUDATUS	17	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	20	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	30	5
	PODON POLYPHEMOIDES	30	5
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
	RATHKEA OCTOPUNCTATA	5	0
	TUBULARIA PROLIFER	34	10
COTTIDAE	COTTID SPECIES	1	0
	SYNCHIRUS GILLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	33	0
FISH	FISH EGGS	9	0
	FISH LARVAE	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	5	2
	FOXIPHALUS SIMILIS	1	0
	ISCHYROCERUS ANGUIPES	9	2
	ODIUS SPECIES (CARANATA GROUP)	6	2
	PARAPLEUSTES PUGETTENSIS	1	0
	PLEUSTES SPECIES GROUP D	1	2
	PONTOGENEIA INERMIS	8	2
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	1	0

HOLOTHUROIDEA	CUCUMARIA PSEUDOCURATA	1	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	1	0
	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	172	20
MOLLUSCA	LACUNA CARINATA	3	0
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	2	0
NATANTIA	HEPTACARPUS CARINATUS	1	0
	NATANTIA ZOEA	20	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	24	5
CALANOIDA	ACARTIA LONGIREMUS	112	50
	CALANOID COPEDID	1	0
	CALANOID NAUPLII	25	10
	CALANUS GLACIALIS	13	0
	CENTROPHAGES ABDOMINALIS	5	0
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	30	10
	SCOLOCITHRICELLA MINOR	5	0
CIRRIPEDIA	BARNACLE NAUPLII	7	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	CORYNE PRINCEPS	1	0
	CORYNE TUBULOSA	1	0
	EUPHYSA TENTACULATA	3	0
	TUBULARIA PROLIFER	14	5
FISH	FISH EGGS	19	0
	FISH LARVAE	5	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	1	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	92	20
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	1	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 27 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	12	0
CALANOIDA	ACARTIA LONGIREMUS	152	30
	CALANOID NAUPLII	14	0
	CALANUS GLACIALIS	4	0
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	148	30
	SCOLOCITHRICELLA MINOR	32	10
	TORTANUS DISCAUDATUS	4	0
CIRRIPEDIA	BARNACLE NAUPLII	26	0
CLADOCERA	EVADNE NORMANI	18	0
	PODON POLYPHEMOIDES	30	0
CNIDARIA	CORYNE PRINCEPS	2	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	2	0
COTTIDAE	BLEPSIAS CIRRHOSUS	2	0
	SYNCHIRUS GILLI	6	0
FISH	FISH EGGS	2	0
	FISH LARVAE	6	0
GAMMARIDEA	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	6	0
	ODIUS SPECIES (CARANATA GROUP)	46	20
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	86	10
	PORCELLIDIUM SARSI	4	0
ISOPODA	IDOTEA RUFESCENS	14	0
	IDOTEA UROTOMA	6	0
LARVACEA	OIKOPLEURA DIOICA	40	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	2	0
NATANTIA	HEPTACARPUS CARINATUS	2	0
	NATANTIA ZOEA	6	0
POLYCHAETA	DODECACERIA FEWSKI	2	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 16 SAMPLE VOLUME = 18 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	10	0
CALANOIDA	ACARTIA LONGIREMUS	211	50
	CALANOID NAUPLII	3	0
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	5	0

	EPILABIDOCERA AMPHITRITES	2	0
	MICROCALANUS PYGMAEUS	1	0
	PSEUDOCALANUS MINUTUS	147	30
	SCOLOCITHRICELLA MINOR	20	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	3	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	5	0
COTTIDAE	SYNCHIRUS GILLI	3	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FISH	FISH EGGS	36	0
	FISH LARVAE	3	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	57	20
	PARAPLEUSTES PUGETTENSIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	9	0
	HARPACTICUS SPECIES	7	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	IDOTEA RUFESCENS	7	0
	IDOTEA UROTOMA	3	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	6	0
NATANTIA	HEPTACARPUS CARINATUS	2	0
	NATANTIA ZOEA	6	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 20 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	200	20
CALANOIDA	ACARTIA LONGIREMUS	18	3
	CALANOID NAUPLII	4	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	4	0
	PSEUDOCALANUS MINUTUS	14	2
	SCOLOCITHRICELLA MINOR	30	5
	TORTANUS DISCAUDATUS	4	0
CIRRIPEDIA	BARNACLE NAUPLII	348	30
	CYPRIS LARVA	32	0
CLADOCERA	EVADNE NORMANI	100	10
	PODON POLYPHEMOIDES	28	0
CNIDARIA	BLACKFORDIA SPECIES	18	5
	CORYNE TUBULOSA	48	15
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
FISH	FISH EGGS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0

	ISCHYROCERUS ANGUIPES	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SARSI	4	0
LARVACEA	OIKOPLEURA DIOICA	44	10
MOLLUSCA	GASTROPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	8	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 9 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	18	0
CALANOIDA	ACARTIA LONGIREMUS	107	3
	AETEDIUS ARMATUS	11	0
	CALANOID COPEDID	47	0
	CALANOID NAUPLII	10	0
	CALANUS GLACIALIS	84	0
	CENTROPHAGES ABDOMINALIS	21	0
	EPILABIDOCERA AMPHITRITES	28	0
	METRIDIA PACIFICA	10	0
	MICROCALANUS PYGMAEUS	9	0
	PSEUDOCALANUS MINUTUS	106	2
	SCOLOCITHRICELLA MINOR	20	0
	TORTANUS DISCAUDATUS	20	0
CHAETOGNATHA	SAGITTA SPECIES	7	0
CIRRIPEDIA	BARNACLE NAUPLII	2332	60
	CYPRIS LARVA	5	0
CLADOCERA	EVADNE NORMANI	1069	20
	PODON POLYPHEMOIDES	627	10
CNIDARIA	BLACKFORDIA SPECIES	9	0
	CORYNE TUBULOSA	4	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	6	0
	TUBULARIA PROLIFER	1	0
COLEMBOLA	COLEMBOLA SPECIES	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	60	0
FISH	FISH EGGS	8	0
	FISH LARVAE	3	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	3	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	290	5
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	3	0
NATANTIA	NATANTIA ZOEA	45	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 38 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	42	0
	PUGETTIA RICHII	1	10
BRYOZOA	CYPHONAUTES LARVA	2	2
CALANOIDA	ACARTIA LONGIREMUS	202	13
	CALANOID COPEDID	16	0
	CALANOID NAUPLII	12	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	22	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	44	4
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	1044	45
	CYPRIS LARVA	18	0
CLADOCERA	EVADNE NORMANI	292	11
	PODON POLYPHEMOIDES	154	7
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	18	0
	CORYMORPHA AURATA	2	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	22	0
FISH	FISH EGGS	2	0
	FISH LARVAE	16	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	6	0
	ODIUS SPECIES (CARANATA GROUP)	24	0
	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	132	6
	HARPACTICUS SPECIES	60	2
ISOPODA	IDOTEA RUFESCENS	42	0
LARVACEA	OIKOPLEURA DIOICA	110	0
MOLLUSCA	LACUNA CARINATA	4	0
NATANTIA	HEPTACARPUS CARINATUS	2	0
	NATANTIA ZOEA	72	0
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 14 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8	0
CALANOIDA	ACARTIA LONGIREMUS	41	5
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	25	5
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	6	2
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	39	5
	METRIDIA PACIFICA	1	0
	MICROCALANUS PYGMAEUS	2	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	19	3
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	9	0
CIRRIPEDIA	BARNACLE NAUPLII	647	40
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	326	25
	PODON POLYPHEMOIDES	87	5
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	7	0
	CORYNE TUBULOSA	3	0
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH EGGS	18	0
	FISH LARVAE	7	0
GAMMARIDEA	PONTOGENEIA INERMIS	11	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	15	0
ISOPODA	IDOTEA RUFESCENS	25	0
	IDOTEA UROTOMA	6	0
LARVACEA	OIKOPLEURA DIOICA	81	10
MOLLUSCA	GASTROPODA JUVENILE	3	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	16	0
POLYCHAETA	SPIONIDAE SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 7 DAY = 30 SAMPLE VOLUME = 4 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	17	0
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	ACARTIA LONGIREMUS	175	40
	CALANOID COPEDID	6	2
	CALANOID NAUPLII	8	0
	CALANUS GLACIALIS	9	3
	CENTROPHAGES ABDOMINALIS	7	3
	EPILABIDOCERA AMPHITRITES	7	2
	PSEUDOCALANUS MINUTUS	5	0
	SCOLOCITHRICELLA MINOR	2	0
CIRRIPEDIA	BARNACLE NAUPLII	46	10
CLADOCERA	EVADNE NORMANI	219	10
	PODON POLYPHEMOIDES	47	0
CNIDARIA	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	1	0
FISH	FISH EGGS	9	0
	FISH LARVAE	2	0
GAMMARIDEA	HYALE FREQUENS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	124	30
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	2	0
POLYCHAETA	SPIONIDAE SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 6 SAMPLE VOLUME = 14 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	5	0
	BRACHYURA ZOEA	54	15
CALANOIDA	ACARTIA LONGIREMUS	7	5
	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	3	0
	CALANUS GLACIALIS	3	5
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	3	0
	PSEUDOCALANUS MINUTUS	9	5
	SCOLOCITHRICELLA MINOR	8	5
	TORTANUS DISCAUDATUS	3	0
CALICOIDA	CALIGUS SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	2	0

CIRRIPEDIA	BARNACLE NAUPLII	58	15
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	40	5
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	12	10
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	2	0
CUMACEAE	DIASTYLOPSIS SPECIES	3	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	2
	HARPACTICUS SPECIES	8	2
	PORCELLIDIUM SARSI	6	1
ISOPODA	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	7	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	33	30
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	1	0
	MYSID SPECIES	1	0
NATANTIA	NATANTIA ZOEA	7	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 370 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	224	0
CALANOIDA	TORTANUS DISCAUDATUS	32	0
CNIDARIA	HALICLYSTUS AURICULA	2	1
CUMACEAE	DIASTYLOPSIS SPECIES	192	1
	LAMPROPS QUADRIPLICATA	192	1
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
GAMMARIDEA	PONTOGENEIA IVANOVI	32	0
	SYNCHELIDIUM SHOEMAKERI	32	0
MOLLUSCA	LACUNA CARINATA	96	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	16608	93
NATANTIA	CRANGON SPECIES	19	4
	CRANGON ZOEA	288	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 25 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	58	15
CALANOIDA	AETEDIUS ARMATUS	8	2
	CALANOID COPEDID	12	3
	CALANUS GLACIALIS	4	3
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	4	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	6	2
CALICOIDA	CALIGUS SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	10	0
CNIDARIA	CORYNE TUBULOSA	8	0
	TUBULARIA PROLIFER	2	0
CTENOPHORA	CTENOPHORE SPECIES	2	0
CUMACEAE	DIASTYLOPSIS SPECIES	12	0
	LAMPROPS QUADRIPLICATA	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	2	0
	LAETMATOPHILUS (PHOTIS) SPECIES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	10	0
	PORCELLIDIUM SARSI	6	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	4	0
	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	74	15
MYSIDACEAE	ACANTHOMYSIS DAVISI	68	60
NATANTIA	CRANGON SPECIES	4	0
	NATANTIA ZOEA	4	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	POLYCHAETA SPECIES	2	0
	PROTODORVILLEA GRACILIS	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 8 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	56	10
CALANOIDA	AETEDIUS ARMATUS	17	0
	CALANOID COPEDID	17	0
	CALANUS PACIFICUS	25	5
	EPILABIDOCERA AMPHITRITES	1	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	30	0
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	314	65
CALICOIDA	CALIGUS SPECIES	2	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	3	0
CHAETOGNATHA	SAGITTA SPECIES	76	10
CIRRIPEDIA	BARNACLE NAUPLII	167	10
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	28	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	2	0
COTTIDAE	COTTID SPECIES	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	9	0
GAMMARIDEA	PLEUSIRUS SECORRUS	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	21	0
	PONTOGENEIA INERMIS	2	0
	PROTOMEDIA SPECIES	9	0
	SYNCHELIDIUM SHOEMAKERI	8	0
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
	PORCELLIDIUM SARSI	2	0
MOLLUSCA	LACUNA CARINATA	2	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	1	0
	ACANTHOMYSIS NEPHROPHTHALMUS	1	0
NATANTIA	CRANGON SPECIES	1	0
	NATANTIA ZOEA	28	0
POLYCHAETA	DODECACERIA FEWSKI	9	0
	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 13 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	29	5
CALANOIDA	ACARTIA LONGIREMUS	7	0
	AETEDIUS ARMATUS	12	0
	CALANOID COPEDID	10	0

	CALANUS GLACIALIS	14	5
	EPILABIDOCERA AMPHITRITES	2	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	20	0
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	245	50
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	45	10
CIRRIPEDIA	BARNACLE NAUPLII	22	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	14	0
CNIDARIA	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	3	0
CTENOPHORA	CTENOPHORE SPECIES	1	0
	PLEUROBRANCHIA BACHEI	2	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	8	0
	LAETMATOPHILUS (PHOTIS) SPECIES	1	0
	ODIUS SPECIES (CARANATA GROUP)	67	20
	PARAPLEUSTES PUGETTENSIS	11	10
	PHOTIS BREVIPES	3	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	MUNNA STEPHENSONI	2	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	1	0
NATANTIA	NATANTIA ZOEA	30	0
OSTRACODA	OSTRACODA SPECIES	1	0
PHOLIDAE	PHOLIDAE SPECIES	1	0
POLYCHAETA	AUTOLYTUS SPECIES	1	0
	NEREIS SPECIES	1	0
	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 5 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2	0
CALANOIDA	ACARTIA LONGIREMUS	1	5
	CALANUS PACIFICUS	4	25
	PSEUDOCALANUS MINUTUS	1	3
	TORTANUS DISCAUDATUS	3	15
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	EVADNE NORMANI	8	10
CNIDARIA	CORYNE TUBULOSA	2	10
	OBELIA LONGISSIMA	2	10

GAMMARIDEA	PLEUSTES SPECIES (PANOPLA) GROUP A	2	20
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	286	50
CALANOIDA	ACARTIA LONGIREMUS	10	0
	AETEDIUS ARMATUS	16	3
	CALANOID COPEDID	2	0
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	14	4
	CENTROPHAGES ABDOMINALIS	3	0
	EPILABIDOCERA AMPHITRITES	3	0
	METRIDIA PACIFICA	6	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	14	3
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	197	30
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	37	0
	PODON POLYPHEMOIDES	19	0
CNIDARIA	OBELIA LONGISSIMA	1	0
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	18	0
	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	3	3
	ISCHYROCERUS ANGUIPES	4	3
	ODIUS SPECIES (CARANATA GROUP)	8	4
	PARAPLEUSTES PUGETTENSIS	4	0
	PHOTIS BREVIPES	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	10	0
	HARPACTICUS SPECIES	5	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	EUSYMMERUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	34	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	1	0
NATANTIA	NATANTIA ZOEA	6	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 27 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	10	0
	BRACHYURA ZOEA	76	0
CALANOIDA	AETEDIUS ARMATUS	26	0
	CALANOID COPEDID	2	0
	CALANUS PACIFICUS	14	0
	EPILABIDOCERA AMPHITRITES	4	0
	MICROCALANUS PYGMAEUS	2	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	268	10
CAPRELLIDEA	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	CORYNE TUBULOSA	6	0
GAMMARIDEA	AMPHITHOE LINDBERGI	2	0
	CALLIOPIELLA PRATTI	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	14	5
	PONTOGENEIA INERMIS	2	0
	PONTOGENEIA IVANOVI	2	0
	PROTOMEDIA SPECIES	18	5
	SYNCHELIDIUM SHOEMAKERI	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	PORCELLIDIUM SARSI	12	0
MOLLUSCA	LACUNA CARINATA	2	0
	LACUNA MARMORATA	2	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	176	0
	ACANTHOMYSIS MACROPSIS	150	80
	ACANTHOMYSIS NEPHROPHTHALMUS	8	0
NATANTIA	CRANGON SPECIES	6	0
	NATANTIA ZOEA	18	0
POLYCHAETA	DODECACERIA FEWSKI	10	0
	FLABELLIGERA AFFINIS	2	0
STICHAEIDAE	STICHAEIDAE SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 6 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8	0
CALANOIDA	ACARTIA LONGIREMUS	34	30
	CALANOID COPEDID	29	10
	CALANUS GLACIALIS	8	10
	CALANUS PACIFICUS	3	0
	CENTROPHAGES ABDOMINALIS	2	0

	EPILABIDOCERA AMPHITRITES	4	0
	EUCALANUS BUNGI BUNGI	1	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	11	0
CIRRIPEDIA	BARNACLE NAUPLII	59	40
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	28	2
	PODON POLYPHEMOIDES	82	8
CNIDARIA	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	1	0
	PORCELLIDIUM SARSI	1	0
LARVACEA	OIKOPLEURA DIOICA	7	0
MOLLUSCA	GASTROPODA JUVENILE	3	0
	LACUNA CARINATA	4	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	1	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 8 SAMPLE VOLUME = 11 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	13	0
CALANOIDA	ACARTIA LONGIREMUS	20	20
	CALANOID COPEDID	50	20
	CALANUS GLACIALIS	12	5
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	8	5
	MICROCALANUS PYGMAEUS	1	0
	PSEUDOCALANUS MINUTUS	10	5
	SCOLOCITHRICELLA MINOR	8	5
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	30	10
	CYPRIS LARVA	5	0
CLADOCERA	EVADNE NORMANI	46	5
	PODON POLYPHEMOIDES	34	5
CNIDARIA	BLACKFORDIA SPECIES	2	5
	CORYNE TUBULOSA	2	5
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	7	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PONTOGENEIA INTERMEDIA	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	3	0

	PORCELLIDIUM SARSI	3	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	BITTIUM ESCHRICHTII	1	0
	EUBRANCHUS OLIVACEUS	1	0
	LACUNA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 83 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	1	0
BRACHYURA	BRACHYURA ZOEA	2392	49
	PUGETTIA RICHII	1	0
CALANOIDA	ACARTIA LONGIREMUS	24	1
	CALANOID NAUPLII	8	0
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	8	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	72	2
	SCOLOCITHRICELLA MINOR	56	2
	TORTANUS DISCAUDATUS	48	2
CIRRIPEDIA	BARNACLE NAUPLII	40	0
	CYPRIS LARVA	24	0
CLADOCERA	EVADNE NORMANI	200	1
	PODON POLYPHEMOIDES	456	2
CNIDARIA	CORYNE TUBULOSA	32	0
COTTIDAE	ARTEDIUS HARRINGTONI	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	72	3
	ISCHYROCERUS ANGUIPES	32	0
	PONTOGENEIA INERMIS	112	4
HARPACTICOIDA	HARPACTICOID SPECIES	64	0
	HARPACTICUS SPECIES	280	4
ISOPODA	GNATHIA SPECIES	24	0
	IDOTEA RUFESCENS	16	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	LACUNA CARINATA	8	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	16	0
NATANTIA	CRANGON SPECIES	30	30
	HEPTACARPUS CARINATUS	1	0
	NATANTIA ZOEA	56	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	AUTOLYTUS SPECIES	8	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 9 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	12	0
CALANOIDA	ACARTIA SPECIES	1	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	59	0
	CALANOID NAUPLII	8	0
	CALANUS PACIFICUS	61	10
	CALANUS PLUMCHRUS	1	0
	EPILABIDOCERA AMPHITRITES	90	10
	METRIDIA PACIFICA	15	0
	PSEUDOCALANUS MINUTUS	425	20
	SCOLOCITHRICELLA MINOR	19	0
	TORTANUS DISCAUDATUS	124	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	40	0
CIRRIPEDIA	BARNACLE NAUPLII	236	5
CLADOCERA	EVADNE NORMANI	600	20
	PODON POLYPHEMOIDES	709	25
CNIDARIA	AGLANTHA DIGITALE	3	0
	BLACKFORDIA SPECIES	25	0
	CORYNE TUBULOSA	2	0
	EPIACTUS PROLIFERA	1	0
	OBELIA LONGISSIMA	15	0
	RATHKEA OCTOPUNCTATA	3	0
COTTIDAE	COTTID SPECIES	9	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	10	0
CUMACEAE	LAMPROPS SPECIES	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	5	0
HYPERIDEA	PARATHEMISTO SPECIES	11	0
ISOPODA	IDOTEA RUFESCENS	7	0
	IDOTEA UROTOMA	3	0
LARVACEA	OIKOPLEURA DIOICA	21	0
MOLLUSCA	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	33	0
POLYCHAETA	POLYNOIDA SPECIES	1	0
STICHAEIDAE	STICHAEIDAE SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 20 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	70	0
CALANOIDA	AETEDIUS ARMATUS	2	0
	CALANOID NAUPLII	4	0
	CALANUS GLACIALIS	4	0

	CALANUS PACIFICUS	8	0
	EPILABIDOCERA AMPHITRITES	42	5
	PARACALANUS PARVIS	274	40
	PSEUDOCALANUS MINUTUS	10	0
	TORTANUS DISCAUDATUS	52	5
CAPRELLIDEA	CAPRELLA LEVIUSCULA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	1026	35
	PODON POLYPHEMOIDES	456	15
CNIDARIA	BLACKFORDIA SPECIES	2	0
	HYDRACTINIA SPECIES	2	0
	OBELIA LONGISSIMA	2	0
COTTIDAE	COTTID SPECIES	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	12	0
	HYALE FREQUENS	6	0
	PROTOMEDIA SPECIES	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	72	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	78	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	10	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 19 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	68	5
CALANOIDA	ACARTIA LONGIREMUS	96	10
	AETEDIUS ARMATUS	12	0
	CALANOID COPEDID	16	0
	CALANOID NAUPLII	6	0
	CALANUS GLACIALIS	30	0
	CALANUS PACIFICUS	2	0
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	38	5
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	104	10
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	60	5
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	220	10
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	438	20
	PODON POLYPHEMOIDES	558	20
CNIDARIA	CORYNE TUBULOSA	2	0
	OBELIA LONGISSIMA	8	0
	TUBULARIA CHRISTINAE	2	0

CTENOPHORA	PLEUROBRANCHIA BACHEI	10	0
FISH	FISH EGGS	12	0
	FISH LARVAE	10	0
GAMMARIDEA	HYALE FREQUENS	6	0
	ISCHYROCERUS ANGUIPES	2	0
	ODIUS SPECIES (CARANATA GROUP)	14	0
HARPACTICOIDA	HARPACTICOID SPECIES	102	5
	HARPACTICUS SPECIES	10	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	6	0
LARVACEA	OIKOPLEURA DIOICA	86	5
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LIRULARIA SPECIES	2	0
NATANTIA	NATANTIA ZOEA	76	5
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 30 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	24	5
	PUGETTIA RICHII	1	0
CALANOIDA	ACARTIA LONGIREMUS	59	10
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	15	0
	CALANUS GLACIALIS	18	0
	CENTROPHAGES ABDOMINALIS	10	0
	EPILABIDOCERA AMPHITRITES	16	0
	METRIDIA PACIFICA	4	0
	MICROCALANUS PYGMAEUS	5	0
	PSEUDOCALANUS MINUTUS	74	10
	SCOLOCITHRICELLA MINOR	24	5
	TORTANUS DISCAUDATUS	58	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	33	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	102	10
	PODON POLYPHEMOIDES	83	10
CNIDARIA	TUBULARIA PROLIFER	1	0
COTTIDAE	OLIGOCOTTUS RIMENSIS	1	0
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
FISH	FISH EGGS	2	0
	FISH LARVAE	2	0
GAMMARIDEA	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	ODIUS SPECIES (CARANATA GROUP)	16	5
	PARAPLEUSTES PUGETTENSIS	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	2	5
HARPACTICOIDA	HARPACTICOID SPECIES	49	5

	HARPACTICUS SPECIES	22	5
HYPERIDEA	PARATHEMISTO SPECIES	3	0
ISOPODA	IDOTEA RUFESCENS	1	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	41	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	5	0
	ACANTHOMYSIS MACROPSIS	1	0
NATANTIA	CRANGON SPECIES	1	0
	NATANTIA ZOEA	49	10
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	SPIONIDAE SPECIES	4	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 18 SAMPLE VOLUME = 20 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	22	0
CALANOIDA	CALANOID COPEDID	82	10
	CALANUS GLACIALIS	20	0
	CALANUS PACIFICUS	68	10
	EPILABIDOCERA AMPHITRITES	86	10
	EUCHIRELLA PULCHRA	6	0
	PARACALANUS PARVIS	164	20
	PSEUDOCALANUS MINUTUS	110	10
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	44	0
CALICOIDA	CALIGUS SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	28	0
CLADOCERA	EVADNE NORMANI	656	20
	PODON POLYPHEMOIDES	132	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CNIDARIA SPECIES	2	0
	CORYNE TUBULOSA	2	0
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	50	10
	PLEUSIRUS SECORRUS	2	0
	PROTOMEDIA SPECIES	22	5
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	34	5
	HARPACTICUS SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	10	0
ISOPODA	IDOTEA RUFESCENS	8	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	26	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
NATANTIA	HEPTACARPUS CARINATUS	4	0
	NATANTIA ZOEA	6	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 16 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	449	40
CALANOIDA	ACARTIA LONGIREMUS	13	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	3	0
	METRIDIA PACIFICA	1	0
	MICROCALANUS PYGMAEUS	3	0
	PSEUDOCALANUS MINUTUS	20	10
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	49	20
CALICOIDA	CALIGUS SPECIES	1	0
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	54	0
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	10	0
CNIDARIA	BLACKFORDIA SPECIES	17	10
	CORYNE TUBULOSA	19	10
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	20	10
	TUBULARIA CHRISTINAE	3	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	9	0
GAMMARIDEA	MELITA SPECIES	1	0
	ODIUS SPECIES (CARANATA GROUP)	10	0
HARPACTICOIDA	HARPACTICOID SPECIES	7	0
	HARPACTICUS SPECIES	5	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	3	0
MYSIDACEAE	MYSID SPECIES	3	0
NATANTIA	NATANTIA ZOEA	9	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 17 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	78	30
CALANOIDA	CALANUS SPECIES	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	PSEUDOCALANUS MINUTUS	9	0
	SCAPHOCALANUS BREVICORNIS	2	0

	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	24	10
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	3	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	5	5
	CORYNE TUBULOSA	11	10
	OBELIA LONGISSIMA	2	2
	TUBULARIA CHRISTINAE	1	1
	TUBULARIA PROLIFER	1	2
CTENOPHORA	PLEUROBRANCHIA BACHEI	20	40
GAMMARIDEA	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	2	0
	PELECYPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	9	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 25 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	80	0
CALANOIDA	AETEDIUS ARMATUS	10	0
	CALANOID COPEDID	50	0
	CALANUS GLACIALIS	164	21
	CALANUS PACIFICUS	100	0
	CENTROPHAGES ABDOMINALIS	164	0
	EPILABIDOCERA AMPHITRITES	10	0
	METRIDIA PACIFICA	70	0
	PARACALANUS PARVIS	10	0
	PSEUDOCALANUS MINUTUS	710	21
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	166	0
CHAETOGNATHA	SAGITTA SPECIES	242	0
CIRRIPEDIA	BARNACLE NAUPLII	478	7
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	60	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	8	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	60	0
	TUBULARIA PROLIFER	6	0
COTTIDAE	SYNCHIRUS GILLI	4	30
CTENOPHORA	PLEUROBRANCHIA BACHEI	20	0

GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	DEXAMONICA (ATYLUS) COLLINGI	16	3
	HYALE FREQUENS	10	2
	ISCHYROCERUS ANGUIPES	10	2
	ODIUS SPECIES (CARANATA GROUP)	4	0
	PHOTIS BREVIPES	22	2
	PONTOGENEIA INERMIS	2	0
	PONTOGENEIA INTERMEDIA	16	2
	PROTOMEDIA SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	208	5
	HARPACTICUS SPECIES	234	5
HYPERIDEA	PARATHEMISTO SPECIES	34	0
INSECTA	BRACHYDEUTERA SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	10	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	164	0
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 20 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	6	0
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANUS GLACIALIS	262	80
	CALANUS PACIFICUS	50	2
	CALANUS SPECIES	40	1
	EPILABIDOCERA AMPHITRITES	56	2
	GAETANUS INTERMEDIUS	2	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	108	3
	SCAPHOCALANUS BREVICORNIS	40	2
	TORTANUS DISCAUDATUS	18	0
CALICOIDA	CALIGUS SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	40	0
CIRRIPEDIA	BARNACLE NAUPLII	38	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	18	0
	PODON POLYPHEMOIDES	92	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	8	0
	OBELIA LONGISSIMA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	10	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
GAMMARIDEA	PONTOGENEIA INERMIS	2	0
	PROTOMEDIA SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	12	0
HYPERIDEA	PARATHEMISTO SPECIES	6	0
LARVACEA	OIKOPLEURA DIOICA	2	0

MOLLUSCA	LACUNA CARINATA	6	0
NATANTIA	NATANTIA ZOEA	112	10

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 18 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ARACHNIDA	ARACHNIDA SPECIES	1	0
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	25	0
CALANOIDA	ACARTIA LONGIREMUS	42	0
	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	70	5
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	51	20
	CALANUS PACIFICUS	20	0
	CALANUS PLUMCHRUS	42	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	58	0
	METRIDIA PACIFICA	24	0
	MICROCALANUS PYGMAEUS	5	0
	PSEUDOCALANUS MINUTUS	467	30
	SCOLOCITHRICELLA MINOR	17	0
	TORTANUS DISCAUDATUS	108	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	120	10
CIRRIPEDIA	BARNACLE NAUPLII	178	10
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	20	0
	PODON POLYPHEMOIDES	89	0
CNIDARIA	AGLANTHA DIGITALE	5	0
	BLACKFORDIA SPECIES	21	0
	CORYNE TUBULOSA	11	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	40	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
	LAMPROPS QUADRIPLICATA	5	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
GAMMARIDEA	DEXAMONICA (ATYLUS) COLLINGI	3	3
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	6	3
	ODIUS SPECIES (CARANATA GROUP)	8	3
	PHOTIS BREVIPES	1	0
	PONTOGENEIA INERMIS	2	2
	PONTOGENEIA INTERMEDIA	1	0
	SYNCHELIDIUM SHOEMAKERI	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	20	0
	HARPACTICUS SPECIES	28	0
HYPERIDEA	PARATHEMISTO SPECIES	23	0
ISOPODA	IDOTEA OCHOTENSIS	1	0
	IDOTEA RUFESCENS	1	0

	IDOTEA UROTOMA	2	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	106	10
NEMATODA	NEMATODA SPECIES	1	0
PHOLIDAE	PHOLIDAE SPECIES	1	0
POLYCHAETA	NEREIS SPECIES	1	0
	SPIONIDAE SPECIES	1	0
STICHAEIDAE	STICHAEIDAE SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 11 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	10	0
CALANOIDA	ACARTIA LONGIREMUS	44	0
	AETEDIUS ARMATUS	27	0
	CALANOID COPEDID	177	10
	CALANOID NAUPLII	6	0
	CALANUS GLACIALIS	452	50
	CALANUS PACIFICUS	45	0
	CALANUS PLUMCHRUS	1	0
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	272	20
	EUCALANUS BUNGI BUNGI	2	0
	METRIDIA PACIFICA	193	20
	MICROCALANUS PYGMAEUS	1	0
	SCOLOCITHRICELLA MINOR	37	0
	TORTANUS DISCAUDATUS	7	0
CHAETOGNATHA	SAGITTA SPECIES	54	0
CIRRIPEDIA	BARNACLE NAUPLII	77	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	35	0
	PODON POLYPHEMOIDES	57	0
CNIDARIA	AGLANTHA DIGITALE	8	0
	BLACKFORDIA SPECIES	28	0
	EUPHYSA TENTACULATA	1	0
	OBELIA LONGISSIMA	9	0
	TUBULARIA PROLIFER	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	31	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FISH	FISH EGGS	12	0
	FISH LARVAE	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	1	0
	PLEUSTES SPECIES GROUP D	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	30	0
	HARPACTICUS SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0

MOLLUSCA	GASTROPODA JUVENILE	3	0
	LIRULARIA SPECIES	2	0
NATANTIA	NATANTIA ZOEA	56	0
PHOLIDAE	PHOLIDAE SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 8 DAY = 28 SAMPLE VOLUME = 15 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	6	0
CALANOIDA	AETEDIUS ARMATUS	7	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	180	30
	CALANUS PACIFICUS	83	10
	CALANUS SPECIES	97	10
	EPILABIDOCERA AMPHITRITES	95	10
	METRIDIA PACIFICA	94	10
	PSEUDOCALANUS MINUTUS	153	30
	SCAPHOCALANUS BREVICORNIS	13	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	48	0
CIRRIPEDIA	BARNACLE NAUPLII	23	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	13	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	2	0
COTTIDAE	COTTID SPECIES	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
GAMMARIDEA	PROTOMEDIA SPECIES	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO PACIFICA	9	0
NATANTIA	NATANTIA ZOEA	39	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = NERC YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 14 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	35	0
	BRACHYURA ZOEA	382	30
CALANOIDA	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	5	0
	TORTANUS DISCAUDATUS	263	20
CALICOIDA	CALIGUS SPECIES	3	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	2	0

CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	10	5
	CORYNE TUBULOSA	87	35
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	22	10
CUMACEAE	MESOLAMPROPS SPECIES	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	13	0
	CALLIOPIELLA PRATTI	6	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PONTOGENEIA INERMIS	1	0
	PROTOMEDIA SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	14	0
	PORCELLIDIUM SARSI	7	0
HEXAGRAMMIDAE	HEXAGRAMMOS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	CRYPTOCHITON STELLERI	1	0
	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	1	0
	LACUNA CARINATA	7	0
	MYTILUS EDULIS	1	0
NATANTIA	NATANTIA ZOEA	30	0
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	POLYCHAETA SPECIES	3	0

LOCATION = NERC YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 25 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	74	20
CALANOIDA	ACARTIA LONGIREMUS	6	0
	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	6	5
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	2	0
	METRIDIA PACIFICA	2	0
	TORTANUS DISCAUDATUS	12	5
CALICOIDA	CALIGUS SPECIES	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	BLACKFORDIA SPECIES	16	15
	CORYNE TUBULOSA	14	15
	OBELIA LONGISSIMA	2	0
	TUBULARIA PROLIFER	2	0
COLEMBOLA	COLEMBOLA SPECIES	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
FISH	FISH EGGS	12	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	HYALE FREQUENS	34	10

	ISCHYROCERUS ANGUIPES	8	5
	PHOTIS BREVIPES	2	0
	PONTOGENEIA INERMIS	10	5
HARPACTICOIDA	HARPACTICOID SPECIES	26	10
	HARPACTICUS SPECIES	12	0
	PORCELLIDIUM SARSI	4	0
INSECTA	DIPTERA SPECIES	6	0
	HEMIPTERA ADULT	4	0
ISOPODA	IDOTEA RUFESCENS	14	5
	IDOTEA UROTOMA	10	5
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	MELIBE LEONINA	4	0
NATANTIA	NATANTIA ZOEA	2	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0
	NEREIS SPECIES	6	0

LOCATION = NERC YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 29 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	6	0
CALANOIDA	ACARTIA LONGIREMUS	14	5
	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	2	1
	CENTROPHAGES ABDOMINALIS	2	1
	EPILABIDOCERA AMPHITRITES	4	1
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	2	1
	TORTANUS DISCAUDATUS	4	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	CORYNE TUBULOSA	8	0
COTTIDAE	SYNCHIRUS GILLI	2	10
FISH	FISH EGGS	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	22	7
	HYALE FREQUENS	20	6
	ISCHYROCERUS ANGUIPES	22	7
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	744	60
	HARPACTICUS SPECIES	34	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	2	0
MOLLUSCA	GASTROPODA JUVENILE	28	0
	LACUNA CARINATA	2	0
	MARGARITES HELICINUS	2	0
	PELECYPODA JUVENILE	2	0
	PLEUROBRANCHUS SPECIES	4	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION = NERC YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 30 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	198	30
CALANOIDA	ACARTIA LONGIREMUS	64	10
	CALANUS GLACIALIS	18	0
	CENTROPHAGES ABDOMINALIS	204	30
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	90	10
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	52	0
CLADOCERA	EVADNE NORMANI	6	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	28	10
	CORYNE TUBULOSA	10	0
	OBELIA LONGISSIMA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	26	10
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	4	0
INSECTA	CHIRONIMIDAE ADULT	12	0
ISOPODA	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	38	0
MOLLUSCA	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	2	0
NATANTIA	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	28	0

LOCATION = NERC YEAR = 1981 MONTH = 9 DAY = 6 SAMPLE VOLUME = 12 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	13	10
	BRACHYURA ZOEA	4	0
CALANOIDA	ACARTIA LONGIREMUS	13	10
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	9	5
	CENTROPHAGES ABDOMINALIS	3	1
	EPILABIDOCERA AMPHITRITES	4	2
	PSEUDOCALANUS MINUTUS	6	2
CNIDARIA	CORYNE TUBULOSA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
FISH	FISH EGGS	25	0
GAMMARIDEA	CALLIOPIELLA PRATTI	26	15
	HYALE FREQUENS	14	10
	ISCHYROCERUS ANGUIPES	2	2
	ODIUS SPECIES (CARANATA GROUP)	1	0

	PHOTIS BREVIPES	1	1
	PONTOGENEIA INERMIS	2	2
HARPACTICOIDA	HARPACTICOID SPECIES	63	10
	HARPACTICUS SPECIES	10	0
INSECTA	DIPTERA SPECIES	23	20
	HOMOPTERA SPECIES	1	0
	HYMENOPTERA ADULTS	2	0
ISOPODA	IDOTEA RUFESCENS	5	0
	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
NATANTIA	NATANTIA ZOEA	4	0
NEMATODA	NEMATODA SPECIES	7	0
OSTRACODA	OSTRACODA SPECIES	32	10
POLYCHAETA	NEREIS SPECIES	1	0

LOCATION = NERH YEAR = 1980 MONTH = 6 DAY = 9 SAMPLE VOLUME = 130 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	16	0
ANOMURA	PAGURID MEGALOPS	2	0
	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA ZOEA	16	0
	OREGONIA GRACILIS	1	1
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANUS GLACIALIS	128	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CNIDARIA	TUBULARIA PROLIFER	3376	10
CYCLOPTERIDAE	EUMICROTREMUS ORBIS	1	0
	LIPARIS FLORAE	1	0
FISH	FISH EGGS	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	32	0
	CALLIOPIELLA PRATTI	2064	5
	HYALE GRANDECORNIS	176	0
	ISCHYROCERUS ANGUIPES	240	0
	PARAPHOXIS SPECIES	80	0
	PARAPLEUSTES PUGETTENSIS	624	0
	PLEUSTES SPECIES	192	0
	PONTOGENEIA ROSTRATA	16	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	80	0
HOLOTHUROIDEA	CUCUMARIA MINIATA	27	30
MOLLUSCA	AMPHISSA VERSICOLOR	1	0
	DIODORA ASPERA	1	10
	GASTROPODA SPECIES	32	0
	MARGARITES PUPILLIS	8	2
	MITRELLA CARINATA	1	0
	MITRELLA GOULDI	1	0
	TEGULA PULLIGO	1	5
NATANTIA	HEPTACARPUS BREVIROSTRIS	48	5
	HEPTACARPUS CARINATUS	34	30
	HIPPOLYTE CLARKI	9	2

POLYCHAETA	POLYCHAETA SPECIES	16	0

LOCATION - NERH YEAR - 1980 MONTH - 6 DAY - 9 SAMPLE VOLUME - 150 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	304	0
CALANOIDA	CALANOID COPEDID	96	0
	CALANUS PACIFICUS	16	0
CIRRIPEDIA	BARNACLE NAUPLII	480	0
CNIDARIA	BLACKFORDIA SPECIES	32	0
	RATHKEA OCTOPUNCTATA	128	0
	TUBULARIA PROLIFER	34656	100
GAMMARIDEA	CALLIOPIELLA PRATTI	32	0
	HYALE GRANDECORNIS	32	0
	ISCHYROCERUS ANGUIPES	16	0
MOLLUSCA	GASTROPODA SPECIES	48	0
NATANTIA	NATANTIA ZOEA	64	0
UNIDENTIFIED	UNIDENTIFIED TAXON	64	0

LOCATION - NERH YEAR - 1980 MONTH - 6 DAY - 9 SAMPLE VOLUME - 160 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	80	0
CALANOIDA	CALANOID COPEDID	48	0
	CALANUS GLACIALIS	32	0
	CALANUS PACIFICUS	64	0
CIRRIPEDIA	BARNACLE CYPRIS	32	0
	BARNACLE NAUPLII	400	0
CLADOCERA	PODON POLYPHEMOIDES	224	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	RATHKEA OCTOPUNCTATA	48	0
	TUBULARIA PROLIFER	14272	95
GAMMARIDEA	CALLIOPIELLA PRATTI	32	0
	HYALE GRANDECORNIS	32	0
	PARAPLEUSTES PUGETTENSIS	16	0
HARPACTICOIDA	HARPACTICUS SPECIES	96	0
	PORCELLIDIUM SPECIES	80	0
ISOPODA	PENTIDOTEA RESECTA	1	5
MOLLUSCA	GASTROPODA SPECIES	16	0
NATANTIA	NATANTIA ZOEA	32	0

LOCATION = NERH YEAR = 1980 MONTH = 7 DAY = 8 SAMPLE VOLUME = 10 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	264	0
CALANOIDA	AETEDIUS ARMATUS	80	0
	CALANOID COPEDID	600	10
	CALANUS GLACIALIS	96	0
	CALANUS PACIFICUS	96	0
	CENTROPHAGES ABDOMINALIS	904	40
	METRIDIA OKHOTENSIS	32	0
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	16	0
	TORTANUS DISCAUDATUS	208	5
CHAETOGNATHA	EUKRONIA HAMATA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	96	0
CLADOCERA	EVADNE NORMANI	144	0
	PODON POLYPHEMOIDES	2040	20
CNIDARIA	AGLANTHA DIGITALE	8	0
	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	24	0
	RATHKEA OCTOPUNCTATA	16	0
	TUBULARIA PROLIFER	368	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	24	0
FISH	FISH EGGS	64	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
MOLLUSCA	GASTROPODA SPECIES	32	0
NATANTIA	NATANTIA ZOEA	344	10
UNIDENTIFIED	UNIDENTIFIED TAXON	80	5

LOCATION = NERH YEAR = 1980 MONTH = 7 DAY = 8 SAMPLE VOLUME = 5 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	48	10
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	152	20
	CALANUS PACIFICUS	40	5
	CENTROPHAGES ABDOMINALIS	140	20
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	4	0
	TORTANUS DISCAUDATUS	76	5
CIRRIPEDIA	BARNACLE NAUPLII	12	0
CLADOCERA	EVADNE NORMANI	20	0
	PODON POLYPHEMOIDES	1364	40
CNIDARIA	CORYNE TUBULOSA	4	0

	TUBULARIA PROLIFER	20	0
FISH	FISH EGGS	60	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	HYALE GRANDECORNIS	8	0
	ISCHYROCERUS ANGUIPES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	20	0
MOLLUSCA	GASTROPODA SPECIES	8	0
NATANTIA	NATANTIA ZOEA	24	0
UNIDENTIFIED	UNIDENTIFIED TAXON	4	0

LOCATION = NERH YEAR = 1980 MONTH = 8 DAY = 10 SAMPLE VOLUME = 13 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	80	0
CALANOIDA	AETEDIUS ARMATUS	12	0
	CALANOID COPEDID	276	20
	CALANOID SPECIES	32	0
	CALANUS GLACIALIS	64	0
	CALANUS PACIFICUS	60	0
	EPILABIDOCERA AMPHITRITES	68	0
	METRIDIA PACIFICA	12	0
	PARACALANUS PARVIS	152	0
	PSEUDOCALANUS MINUTUS	496	40
	TORTANUS DISCAUDATUS	20	0
CHAETOGNATHA	EUKRONIA HAMATA	40	0
CIRRIPEDIA	BARNACLE CYPRIS	32	0
	BARNACLE NAUPLII	692	0
CLADOCERA	EVADNE NORMANI	92	0
	PODON POLYPHEMOIDES	360	10
CNIDARIA	AGLANTHA DIGITALE	1	0
	OBELIA SPECIES	1	0
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	5
GAMMARIDEA	DEXAMONICA (ATYLUS) COLLINGI	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PARAPLEUSTES PUGETTENSIS	4	0
	PONTOGENEIA ROSTRATA	4	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	156	0
HYDROID COLONY	HYDROID COLONY	1	0
HYPERIDEA	PARATHEMISTO SPECIES	28	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	LACUNA CARINATA	24	0
NATANTIA	NATANTIA ZOEA	64	0
SCORPAENIDAE	SEBASTES SPECIES	26	25

LOCATION = NERH YEAR = 1980 MONTH = 8 DAY = 10 SAMPLE VOLUME = 12 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	168	0
CALANOIDA	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	532	35
	CALANOID SPECIES	12	0
	CALANUS CRISTATUS	4	0
	CALANUS GLACIALIS	220	0
	CALANUS PACIFICUS	168	0
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	68	0
	METRIDIA PACIFICA	16	0
	PARACALANUS PARVIS	212	0
	PSEUDOCALANUS MINUTUS	556	35
	TORTANUS DISCAUDATUS	32	0
CHAETOGNATHA	EUKRONIA HAMATA	24	0
CIRRIPEDIA	BARNACLE CYPRIS	20	0
	BARNACLE NAUPLII	396	0
CLADOCERA	EVADNE NORMANI	52	0
	PODON POLYPHEMOIDES	180	0
CNIDARIA	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
FISH	FISH EGGS	.	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA ROSTRATA	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	PORCELLIDIUM SPECIES	216	5
HYPERIDEA	PARATHEMISTO SPECIES	16	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	LACUNA CARINATA	40	0
NATANTIA	NATANTIA ZOEA	68	0
SCORPAENIDAE	SEBASTES SPECIES	22	25

LOCATION = NERH YEAR = 1980 MONTH = 9 DAY = 10 SAMPLE VOLUME = 14 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	12	0
	PUGETTIA RICHII	1	5
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	156	10
	CALANUS GLACIALIS	16	0
	CALANUS PACIFICUS	20	0

	EPILABIDOCERA AMPHITRITES	32	0
	PARACALANUS PARVIS	4	0
	TORTANUS DISCAUDATUS	116	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	EUKRONIA HAMATA	4	0
CNIDARIA	CORYNE TUBULOSA	4	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	15
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	80	10
	DEXAMONICA (ATYLUS) COLLINGI	8	0
	ISCHYROCERUS ANGUIPES	184	15
	PARAPLEUSTES PUGETTENSIS	16	0
	PLEUSTES SPECIES	4	0
	PONTOGENEIA INERMIS	12	0
	PONTOGENEIA ROSTRATA	172	15
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	4	0
MOLLUSCA	LACUNA CARINATA	4	0
	MARGARITES PUPILLIS	4	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	4	0
NATANTIA	CRANGON DALLI	1	5
	HEPTACARPUS BREVIROSTRIS	4	0
	NATANTIA ZOEA	84	10
OSTRACODA	OSTRACODA SPECIES	8	0

Volume

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II Commercial *Macrocystis integrifolia* habitats

by

E. A. Black and K. P. Trueman

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Canadian Cataloguing in Publication Data

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INTRODUCTION

This is the second of three data reports in which are compiled the plankton data collected by the British Columbia Ministry of Environment's Kelp-Fish Interaction Program. These data were collected during 1980 and 1981 from eight shallow (less than 10 m) nearshore sites in the southwestern Queen Charlotte Strait area. Data from these sites are separated into three reports each describing the plankton in one of the following habitat types; commercial _Nereocystis leutkeana_ (Mertens) Postells and Ruprecht, commercial _Macrocystis integrifolia_ Bory or non-kelp habitats. Herein are data from the commercial _Macrocystis_ sites.

Figure 1 illustrates the locations of sites used in this study, the commercial _Nereocystis_ sites are labelled Graeme Point, _Nereocystis_ site C and _Nereocystis_ site H. Commercial _Macrocystis_ habitats are labelled Deer Island and Airport _Macrocystis_, and the non-kelp habitat sites are named Bear Cove, Beaver Harbour and North Airport.

METHODS

The plankton net used to collect samples had a mouth diameter of 55 cm and a mesh size of 500 microns (Figure 2). This net was towed from the bow of a small boat moving in reverse. Surface and bottom tows were made at all sites, as well as landward, within and seaward of any kelp bed present. A 30 m tow rope was used for surface tows. The net was towed just beneath the surface such that the front of the net caused a surface wake. For bottom tows, the length of tow line varied being just long enough for the tow line to jerk gently as the tow skimmed the bottom. A 6.8 kg lead cannonball weight at the end of a 30 cm line secured to the apex of the towing harness prevented the net from dredging the bottom yet held the net close to the substrate.

Standardization of towing effort was not possible as a variety of towing boats were employed; however all 1980 tows were conducted for five minutes with a boat towing at idle. Towing was standardized in 1981 as follows. Tows were done from a single vessel with the tow conducted using a 30 m tow rope and with the boat's engine in reverse and running at 1000 rpm. The duration of tows was five minutes. When removed from the water the net was rinsed from the outside with filtered seawater to wash organisms adhering to the net into the collection bucket. The collection bucket was rinsed into the sample jar with filtered seawater. Due to mechanical failure on May 23, 1981, the engine in the tow boat was changed from a 70 hp. to a 50 hp. engine and this engine was used for the rest of the season.

Samples collected were split with a Folsom's plankton sampler and a subsample of organisms volumetrically greater than 5 ml in 1980 and greater than 10 ml in 1981 were identified. In addition, large plankters and fish larvae not sampled in the random split were enumerated. Random split data was then multiplied by the inverse of the fraction of the total sample it represented and combined with data on large organisms in the sample to produce the description of each plankton sample found on the following pages.

Data were stored on an I.B.M. model 3081 computer using the SAS Institute's 1979 edition of their Statistical Analysis System software

Appendix I lists the taxonomic references used to identified the organisms found in the plankton tows.

DATA PRESENTATION

The data are presented in two sections. Appendix II lists alphabetically by taxa and final identification all of the organisms found by tows made in the commercial Macrocystis integrifolia habitats. Appendix III contains the data from each of the tows. The tows are listed alphabetically by site name and then in chronological order.

Each tow is identified by its location, year, month, day, position in the water column, and horizontal relation to any kelp bed present. The vertical positions were surface (S) and bottom (B). The horizontal relations to kelp were: along the landward edge (L); within the bed (W); along the seaward edge of the bed (S); or no bed was present (N).

The data for each taxa found in a tow are the percent volume and the number of individuals. Percent volume is the portion of the total volume of organisms by the indicated taxa. Number of individuals is the total estimated number arrived at according to the process mentioned earlier.

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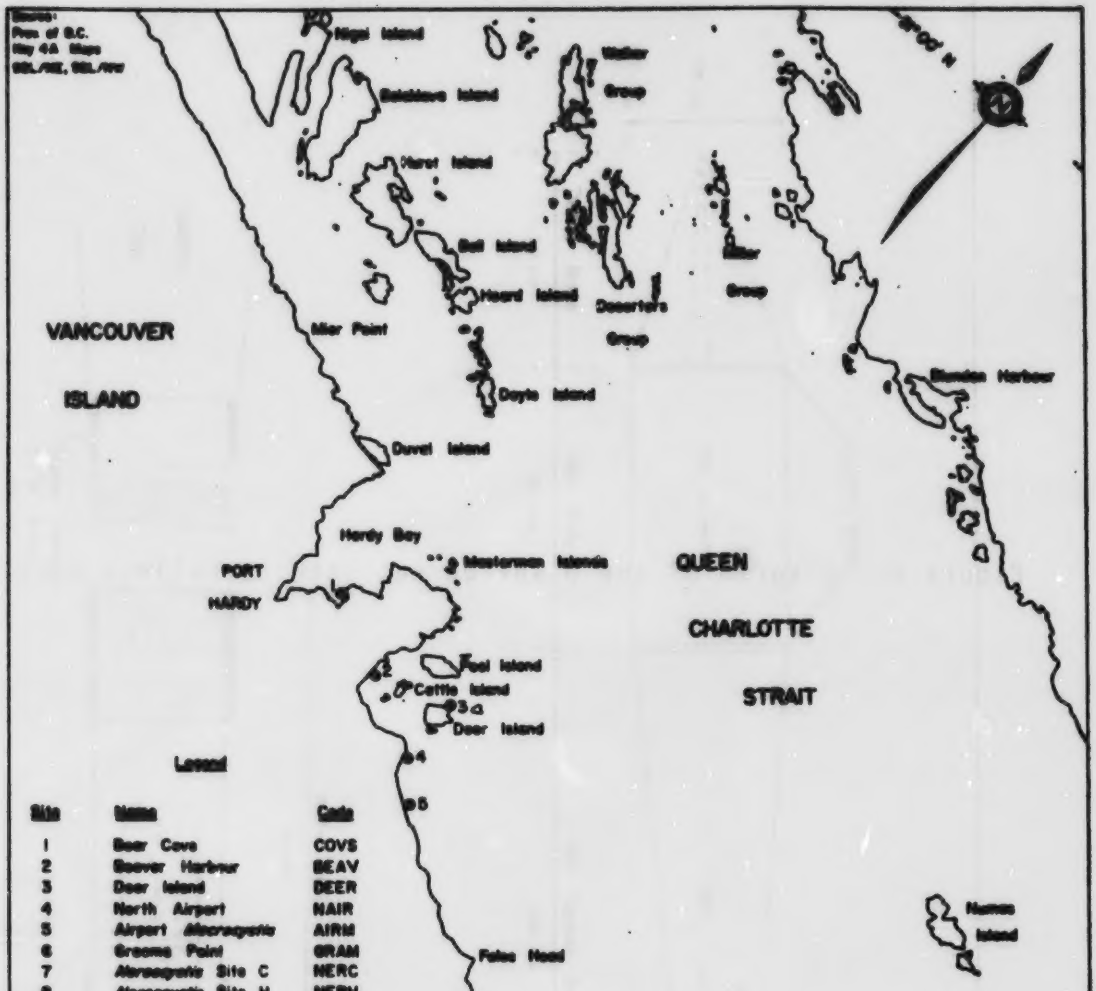
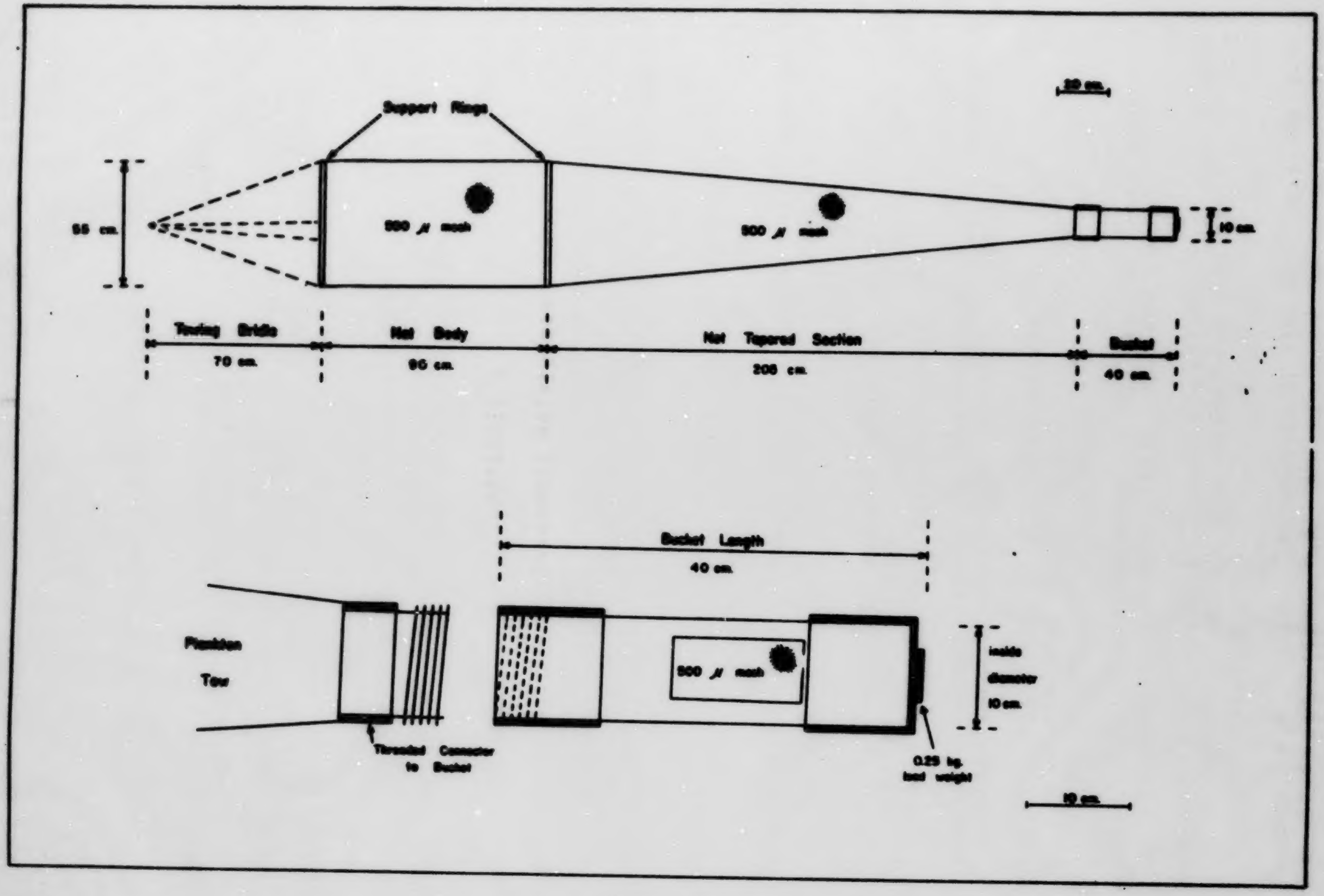
This quantity of data and precision of records could not have been achieved without the dedicated efforts of many people. We wish to acknowledge the efforts of Dr. C. J. Low who spent many long tedious hours ensuring his taxonomic identifications were accurate. Messrs. Stephen Norton and Ross Chandler ensured samples were consistently and correctly labeled in the field and that the data were faithfully and transcribed to computer files.

Figure 1. Location of plankton tow sampling sites. The codes noted on the map are used in the body of the report to show the location at which each sample was taken.


Source:
Prov. of B.C.
Key 4A Maps
92L/NE, 92L/NW
Nigei Island
Balaklava Island
Hurst Island
Bell Island
Heard Island
Walker Group
Deserters Group
Group
Dillon Point
Doyle Island
Duval Island
Blunden Harbour
VANCOUVER
ISLAND
Hardy Bay
PORT
HARDY
Masterman Islands
QUEEN
CHARLOTTE
STRAIT
Peel Island
Cattle Island
Deer Island
Numas Island
False Head
Legend
Scale 1:100,00
0
5 Km.
Graeme Point
Malcolm Point
Pulteney Point
PORT
McNEILL
Ledge Point
SOINTULA
MALCOLM
ISLAND
ALERT
BAY
VANCOUVER
ISLAND
VANCOUVER
VICTORIA

Site	Name	Code
1	Bear Cove	COVS
2	Beaver Harbour	BEAV
3	Deer Island	DEER
4	North Airport	NAIR
5	Airport *Macrocystis*	AIRM
6	Graeme Point	GRAM
7	*Macrocystis* Site C	NERC
8	*Macrocystis* Site H	NERH

Figure 2. Diagram of the plankton net used to collect samples.


Support Rings
55 cm.
500 µ mesh
500 µ mesh
10 cm.
20 cm.
Towing Bridle
70 cm.
Net Body
90 cm.
Net Tapered Section
200 cm.
Bucket
40 cm.
Bucket Length
40 cm.
Plankton
Tow
Threaded Connector
to Bucket
500 µ mesh
inside
diameter
10 cm.
0.25 kg.
lead weight
10 cm.

APPENDIX I

Taxonomic References

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APPENDIX II

List of Organisms Captured

Organisms Identified in Plankton Tows

Acari	Acari species
Aeolid	Aeolid species
Agonidae	Agonopsidae species
Anomura	Anomura zoea Pagurid megalops *Pagurus beringanus* *Pagurus caurinus* *Pagurus granosimanus* *Pagurus setosus*
Arachnida	Arachnida species
Asteroidea	Asteroididea species *Leptasterias hexactis* *Pycnopodia helianthoides*
Aulorhynchidae	*Aulorhynchus flavidus*
Brachyura	Brachyura megalops Brachyura zoea *Cancer oregonensis* *Pugettia producta* *Pugettia richii* *Scyra acutifrons*
Bryozoa	*Cyphonautes* larva
Calanoida	*Acartia longiremus* *Aetedius armatus* *Calanoid copedid* Calanoid nauplii Calanoid species *Calanus glacialis* *Calanus pacificus* *Calanus plumchrus* *Centrophages abdominalis* *Epilabidocera amphitrites* *Eucalanus bungi bungi* *Eurytemora americana* *Eurytemora hirundoides* *Metridia okhotensis* *Metridia pacifica* *Microcalanus pygmaeus* *Monstrilla* species *Paracalanus parvis* *Pseudocalanus minutus*

	Scaphocalanus brevicornis
	Scolocithricella minor
	Tortanus discaudatus
Calicoida	*Caligus* species
Caprellidea	*Caprella equilibria*
	Caprella leviuscula
	Caprellidae species
	Metacaprella kennerlyi
	Trirella pilimana
Chaetognatha	*Eukronia hamata*
	Sagitta species
Cirripedia	Barnacle cypris
	Barnacle nauplii
	Cypris larva
Cladocera	*Evadne normani*
	Podon polyphemoides
Clupeidae	*Clupea harengus pallasi*
	Clupeid eggs
Cnidaria	*Aglantha digitale*
	Blackfordia species
	Coryne princeps
	Coryne tubulosa
	Euphysa tentaculata
	Haliclystus auricula
	Hydractinia species
	Obelia longissima
	Obelia species
	Perigonimus yoldia-artica
	Polyorchis karafutoensis
	Rathkea octopunctata
	Sarsia princeps
	Solmissus marshalli
	Tubularia christinae
	Tubularia prolifer
Cottidae	*Artedius* species
	Blepsias cirrhosus
	Clinocottus acuticeps
	Clinocottus embryum
	Cottid species
	Oligocottus maculosus
	Oligocottus species
	Synchirus gilli

Ctenophora	*Pleurobranchia bachei*
Cumaceae	*Cumella* species
	Diastylopsis species
	Lamprops quadriplicata
	Leptocuma species
	Mesolamprops species
Cyclopoida	*Clausidium vancouverense*
	Cyclopodia species
	Hemicyclops species
	Oithona spinirostris
	Oncaea borealis
Cyclopteridae	Cyclopteridae species
	liparis callyodon
	Liparis florae
	Liparis species
Echunoidea	*Strongylocentrotus franciscanus*
Embiotocidae	*Rhacochilus vacca*
Fish	Fish eggs
	Fish larvae
	Fish species
Foraminiferidia	*Cyclamia* species
	Elphidiella species
	Foraminiferidia species
	Milliamina species
Gadidae	*Gadus macrocephalus*
	Microgadus proximus
Gammaridea	*Allorchestes angustus*
	Amphithoe lacertosa
	Amphithoe linbergi
	Anisogammarus pugettensis
	Aoroides columbiae
	Calliopiella pratti
	Dexamonica collingi
	Eohaustorius washingtonianus
	Foxiphalus similis
	Hyale frequens
	Hyale grandecornis
	Ischyrocerus anguipes
	Ischyrocerus species
	Laetmatophilus species
	Melita species
	Udius species (Caranata group)

	Orchestoidea species
	Paraphoxis species
	Prapleustes pugettensis
	Philantidae species
	Photis brevipes
	Pleusirus secorrus
	Pleustes species
	Pleustes species (Panopla group A)
	Pleustes species group D
	Pontogeneia inermis
	Pontogeneai intermedia
	Pontogeneia ivanovi
	Pontogeneia rostrata
	Protomedia species
	Stenothoe species
	Synchilidium shoemakeri
	Westwoodilla caecula
Gobiesocidae	Gobiesox maeandricus
Harpacticoida	Harpacticoid species
	Harpacticus species
	Porcellidium sarsi
	Porcellidium species
	Tetragoniceps species
Hexagrammidae	Hexagrammos species
	Ophiodon elongatus
Hirudinea	Hirudinea species
Holothuroidea	Eupentacta quinquisemita
	Holothuroidea species
Hydroid colony	Hydroid colony
Hyperidea	Parathemisto species
Insecta	Chironimidae adult
	Chironomidae larvae
	Chironomidae pupa
	Diptera species
	Muscidae adult
	Tipudlidae adult
Isopoda	Dynamenella sheareri
	Eusymmerus species
	Gnathia species
	Gnorimosphaeroma oregonensis
	Ianiropsis tridens
	Idotea ochotensis

	Idotea rufescens
	Idotea urotoma
	Munna stephesoni
	Pentidotea resecta
	Pseudione species
Larvacea	*Oikopleura dioica*
Mollusca	*Amphissa versicolor*
	Cardita ventricosa
	Ceritheopsis species
	Clione species
	Crepidula adunca
	Crepidula fornicata
	Diodora albolineata
	Eubranchus olivaceus
	Galeomataceae
	Gastropoda juvenile
	Gastropoda species
	Granulina margaritula
	Kella species
	Lacuna carinata
	Lacuna marmorata
	Lacuna species
	Lacuna variegata
	Limacina species
	Limpet species
	Lirularia species
	Littorina sitkana
	Loligo opalescens
	Margarites helicinus
	Margarites pupillis
	Melibe leonina
	Mitrella carinata
	Mitrella gouldi
	Mopalia sinuata
	Mytilus edulis
	Notoacmea scutum
	Nucula species
	Octopus leioderma
	Pelecypoda juvenile
	Pododesmus cepio
	Polinices species
	Tachyrhynchus lacteolus
	Tapes species
	Thais lamellosa
	Turbonilla valdezi
Mysidaceae	*Acanthomysis davisi*
	Acanthomysis macropsis
	Acanthomysis nephrophthalmus

	Acanthonysis pseudomacropsis
	Acanthomysis sculpta
	Mysid species
	Mysis oculata
	Neomysis awatschensis
Natantia	*Crangon dalli*
	Crangon species
	Eualis biunguis
	Heptacarpus brevirostris
	Heptacarpus carinatus
	Heptacarpus stimpsoni
	Heptacarpus stylus
	Hippolyte clarki
	Natantia zoea
	Pandalopsis dispar
	Pandalus danae
	Pandalus tridens
	Sclerocrangon boreas
Nebaliacea	*Nebalia bipers*
Nematoda	Nematoda species
Nemertea	Nemertea species
Oligoceata	Enchytraeiedae species
Ophiuroide	*Ophiopholus* species
Ostracoda	Ostracoda species
Pholidae	*Apodichthys flavidus*
	Pholidae species
	Xerxerpes fucorum
Pleuronectidae	Pleuronectidae species
	Pleuronichthys egg
Polychaeta	*Armandia brevis*
	Autolytus species
	Capitella species
	Cirratulus species
	Diosaccidae species
	Dodecaceria fewski
	Lepidonotus squamatus
	Nereis species
	Phyllodoce species
	Polychaeta species
	Polynoida species
	Protodorvillea species
	Serpulidae species

	Spio species Spionidae species
Scorpaenidae	*Sebastes* species
Spirorbidae	Spirorbidae species
Stichaeidae	*Allolumpenus hypochromus* *Anoplarchus* species Stichaeidae species
Sygnathidae	*Syngnathus griseolineata*
Tanaidacea	*Anatanais normani* *Leptognathia gracilis*
Turbellaria	Turbellaria species
Unidentified	Unidentified taxon
Zoarcidae	Zoarcidae species

APPENDIX III

Plankton Tow Data

LOCATION = AIRM YEAR = 1980 MONTH = 4 DAY = 2 SAMPLE VOLUME = 62 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS BERINGANUS	1	0
BRACHYURA	BRACHYURA ZOEA	1088	5
	OREGONIA GRACILIS	1	5
	PUGETTIA RICHII	3	1
CALANOIDA	CALANUS GLACIALIS	80	0
	CALANUS PACIFICUS	160	0
	EPILABIDOCERA AMPHITRITES	16	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
COTTIDAE	COTTID SPECIES	4	0
CYCLOPTERIDAE	LIPARIS SPECIES	1	0
FISH	FISH EGGS	17	0
GAMMARIDEA	AMPHITHOE LINDBERGI	50	0
	ANISOGAMMARUS PUGETTENSIS	9	0
	CALLIOPIELLA PRATTI	240	2
	HYALE GRANDECORNIS	16	0
	ISCHYROCERUS ANGUIPES	144	0
	PLEUSTES SPECIES	336	4
	PONTOGENEIA INERMIS	16	0
	PONTOGENEIA ROSTRATA	320	4
HARPACTICOIDA	HARPACTICOID SPECIES	128	0
	HARPACTICUS SPECIES	32	0
	PORCELLIDIUM SPECIES	112	0
	TETRAGONICEPS SPECIES	48	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	2	0
	IDOTEA RUFESCENS	5	0
	PENTIDOTEA RESECTA	4	5
MOLLUSCA	EUBRANCHUS OLIVACEUS	48	0
	LACUNA CARINATA	7	2
	LACUNA VARIEGATA	1	0
	LIMACINA SPECIES	16	0
	MITRELLA GOULDI	12	5
MYSIDACEAE	ACANTHOMYSIS DAVISI	4	0
NATANTIA	EUALIS BIUNGUIS	2	2
	HEPTACARPUS BREVIROSTRIS	36	5
	HEPTACARPUS CARINATUS	2	5
	HEPTACARPUS STYLUS	7	10
	HIPPOLYTE CLARKI	156	45
	NATANTIA ZOEA	160	0
OSTRACODA	OSTRACODA SPECIES	32	0
PHOLIDAE	PHOLIDAE SPECIES	22	0
POLYCHAETA	NEREIS SPECIES	4	0
SCORPAENIDAE	SEBASTES SPECIES	1	0
TURBELLARIA	TURBELLARIA SPECIES	16	0

LOCATION = AIRM YEAR = 1980 MONTH = 4 DAY = 2 SAMPLE VOLUME = 43 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	32	0
	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA ZOEA	1200	5
	OREGONIA GRACILIS	1	0
	PUGETTIA RICHII	1	0
CALANOIDA	CALANUS GLACIALIS	280	20
	CALANUS PACIFICUS	40	5
	CALANUS PLUMCHRUS	8	0
	METRIDIA PACIFICA	8	0
COTTIDAE	COTTID SPECIES	23	10
CYCLOPOIDA	CLAUSIDIUM VANCOUVERENSE	1	0
CYCLOPTERIDAE	LIPARIS CALLYODON	1	0
FISH	FISH EGGS	16	0
GADIDAE	MICROGADUS PROXIMUS	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	88	10
	CALLIOPIELLA PRATTI	16	0
	HYALE GRANDECORNIS	32	0
	ISCHYROCERUS ANGUIPES	8	0
	PARAPLEUSTES PUGETTENSIS	73	10
	PLEUSTES SPECIES	26	0
	PONTOGENEIA INERMIS	72	0
	PONTOGENEIA ROSTRATA	24	0
HARPACTICOIDA	HARPACTICOID SPECIES	152	0
	HARPACTICUS SPECIES	24	0
	PORCELLIDIUM SPECIES	344	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	3	5
MOLLUSCA	LACUNA CARINATA	5	0
	LACUNA VARIEGATA	1	0
	MITRELLA GOULDI	8	5
NATANTIA	HEPTACARPUS BREVIROSTRIS	2	0
	HIPPOLYTE CLARKI	96	30
	NATANTIA ZOEA	152	0
PHOLIDAE	PHOLIDAE SPECIES	38	0
POLYCHAETA	CAPITELLA SPECIES	8	0
	CIRRATULUS SPECIES	1	0

LOCATION = AIRM YEAR = 1980 MONTH = 6 DAY = 18 SAMPLE VOLUME = 80 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	32	0
ANOMURA	ANOMURA ZOEA	656	2
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	7504	54
CALANOIDA	CALANOID COPEDID	64	0
	CALANUS GLACIALIS	16	0
	CALANUS PACIFICUS	16	0
	PARACALANUS PARVIS	80	0
	PSEUDOCALANUS MINUTUS	512	0
CIRRIPEDIA	BARNACLE NAUPLII	1536	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	448	0
CNIDARIA	CORYNE TUBULOSA	512	1
	RATHKEA OCTOPUNCTATA	912	2
COTTIDAE	COTTID SPECIES	6	20
	SYNCHIRUS GILLI	3	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
CYCLOPOIDA	HEMICYCLOPS SPECIES	16	0
FISH	FISH EGGS	80	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	48	0
	PLEUSTES SPECIES	16	0
	PONTOGENEIA ROSTRATA	32	0
HARPACTICOIDA	HARPACTICUS SPECIES	80	0
	PORCELLIDIUM SPECIES	16	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	KELLIA SPECIES	1	0
	LACUNA CARINATA	36	0
	LIMACINA SPECIES	32	0
	MITRELLA GOULDI	4	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	9	0
NATANTIA	EUALIS BIUNGUIS	4	5
	HEPTACARPUS BREVIROSTRIS	1	2
	HEPTACARPUS STYLUS	1	3
	NATANTIA ZOEA	96	0
	PANDALUS TRIDENS	2	1
SCORPAENIDAE	SEBASTES SPECIES	1	0
TURBELLARIA	TURBELLARIA SPECIES	16	0

LOCATION = AIRM YEAR = 1980 MONTH = 6 DAY = 18 SAMPLE VOLUME = 4 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	130	10
CALANOIDA	AETEDIUS ARMATUS	12	0
	CALANOID COPEDID	228	0
	CALANOID SPECIES	6	0
	CALANUS PACIFICUS	10	0
	CENTROPHAGES ABDOMINALIS	2	0
	MICROCALANUS PYGMAEUS	2	0
	PARACALANUS PARVIS	112	10
	PSEUDOCALANUS MINUTUS	184	20
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE CYPRIS	24	0
	BARNACLE NAUPLII	98	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	300	10
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	206	30
FISH	FISH EGGS	202	20
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	DEXAMONICA (ATYLUS) COLLINGI	2	0
	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	10	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	22	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	2	0
	LIMACINA SPECIES	4	0
NATANTIA	NATANTIA ZOEA	2	0
PLEURONECTIDAE	PLEURONICHTHYS EGG	18	0
POLYCHAETA	POLYCHAETA SPECIES	2	0
SCORPAENIDAE	SEBASTES SPECIES	1	0

LOCATION = AIRM YEAR = 1980 MONTH = 6 DAY = 18 SAMPLE VOLUME = 5 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	64	10
CALANOIDA	AETEDIUS ARMATUS	20	0
	CALANOID COPEDID	152	15
	CALANOID SPECIES	2	0
	CALANUS PACIFICUS	14	0
	PARACALANUS PARVIS	94	10
	PSEUDOCALANUS MINUTUS	138	10

CIRRIPEDIA	BARNACLE CYPRIS	32	0
	BARNACLE NAUPLII	76	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	386	10
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	120	5
COTTIDAE	COTTID SPECIES	1	10
CUMACEAE	DIASTYLOPSIS SPECIES	16	0
	LAMPROPS QUADRIPLICATA	28	0
FISH	FISH EGGS	158	10
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	6	0
	PORCELLIDIUM SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	94	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	4	0
	LIMACINA SPECIES	20	0
NATANTIA	NATANTIA ZOEA	2	0
PLEURONECTIDAE	PLEURONICHTHYS EGG	10	10
POLYCHAETA	NEREIS SPECIES	2	10

LOCATION = AIRM YEAR = 1980 MONTH = 6 DAY = 18 SAMPLE VOLUME = 43 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	8	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	1992	0
	OREGONIA GRACILIS	1	0
CALANOIDA	CALANOID COPEDID	40	0
	CENTROPHAGES ABDOMINALIS	24	0
	METRIDIA PACIFICA	8	0
	PARACALANUS PARVIS	16	0
	PSEUDOCALANUS MINUTUS	80	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	7	0
CIRRIPEDIA	BARNACLE NAUPLII	112	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	2	0
CNIDARIA	CORYNE TUBULOSA	320	5
	OBELIA LONGISSIMA	24	0
	RATHKEA OCTOPUNCTATA	1112	15
COTTIDAE	SYNCHIRUS GILLI	6	0
CUMACEAE	LAMPROPS QUADRIPLICATA	8	0
CYCLOPOIDA	HEMICYCLOPS SPECIES	80	0
FORAMINIFERIDIA	CYCLAMIA SPECIES	8	0
	ELPHIDIELLA SPECIES	24	0
GAMMARIDEA	AMPHITHOE LINDBERGI	28	0
	CALLIOPIELLA PRATTI	80	0
	HYALE GRANDECORNIS	40	0
	ISCHYROCERUS ANGUIPES	120	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES	36	0

	PONTOGENEIA ROSTRATA	64	0
HARPACTICOIDA	HARPACTICOID SPECIES	688	5
	HARPACTICUS SPECIES	728	5
	PORCELLIDIUM SPECIES	400	0
HYDROID COLONY	HYDROID COLONY	8	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	22	10
	IDOTEA RUFESCENS	5	0
	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	3	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	LACUNA CARINATA	2	0
	LACUNA VARIEGATA	2	0
	LIMACINA SPECIES	320	0
	MARGARITES PUPILLIS	1	0
	MITRELLA GOULDI	1	0
MYSIDACEAE	MYSID SPECIES	8	0
NATANTIA	CRANGON DALLI	4	0
	EUALIS BIUNGUIS	21	20
	HEPTACARPUS BREVIROSTRIS	6	0
	HEPTACARPUS CARINATUS	4	10
	HEPTACARPUS STIMPSONI	3	0
	HEPTACARPUS STYLUS	26	20
	HIPPOLYTE CLARKI	32	10
	NATANTIA ZOEA	16	0
	SPIRONTOCARIS OCHOTENSIS	1	0
OSTRACODA	OSTRACODA SPECIES	24	0
POLYCHAETA	PROTODORVILLEA SPECIES	2	0
TURBELLARIA	TURBELLARIA SPECIES	8	0

LOCATION = AIRM YEAR = 1980 MONTH = 6 DAY = 18 SAMPLE VOLUME = 11 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ARACHNIDA	ARACHNIDA SPECIES	2	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	190	10
CALANOIDA	CALANOID COPEDID	6	0
	CENTROPHAGES ABDOMINALIS	4	0
	PSEUDOCALANUS MINUTUS	8	0
CIRRIPEDIA	BARNACLE CYPRIS	12	0
	BARNACLE NAUPLII	28	0
CLADOCERA	EVADNE NORMANI	12	0
	PODON POLYPHEMOIDES	24	0
CNIDARIA	CORYNE TUBULOSA	52	0
	RATHKEA OCTOPUNCTATA	1310	80
FISH	FISH EGGS	64	10
GAMMARIDEA	AMPHITHOE LINDBERGI	2	0
	CALLIOPIELLA PRATTI	2	0
	HYALE GRANDECORNIS	2	0
	PONTOGENEIA ROSTRATA	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	12	0

	PORCELLIDIUM SPECIES	2	0
	TETRAGONICEPS SPECIES	2	0
HYDROID COLONY	HYDROID COLONY	2	0
ISOPODA	DYNAMENELLA SHEARERI	2	0
	IDOTEA UROTOMA	1	0
MOLLUSCA	LACUNA CARINATA	2	0
	LIMACINA SPECIES	1	0
	MITRELLA CARINATA	8	0
		1	0

LOCATION = AIRM YEAR = 1980 MONTH = 6 DAY = 18 SAMPLE VOLUME = 12 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	100	5
CALANOIDA	CALANOID COPEDID	12	0
CIRRIPEDIA	BARNACLE CYPRIS	12	0
	BARNACLE NAUPLII	56	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	CORYNE TUBULOSA	52	0
	RATHKEA OCTOPUNCTATA	1136	95
CYCLOPOIDA	HEMICYCLOPS SPECIES	4	0
FISH	FISH EGGS	40	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	24	0
	HARPACTICUS SPECIES	12	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION = AIRM YEAR = 1980 MONTH = 7 DAY = 21 SAMPLE VOLUME = 87 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	3	10
BRACHYURA	BRACHYURA MEGALOPS	128	0
	BRACHYURA ZOEA	22272	30
	PUGETTIA RICHII	2	10
CALANOIDA	CALANOID COPEDID	1408	0
	CENTROPHAGES ABDOMINALIS	512	0
	PARACALANUS PARVIS	1664	0
	PSEUDOCALANUS MINUTUS	7808	10
	TORTANUS DISCAUDATUS	256	0
CALICOIDA	CALIGUS SPECIES	128	0
CLADOCERA	PODON POLYPHEMOIDES	3968	5
CNIDARIA	CORYNE TUBULOSA	1280	0
	POLYORCHIS KARAFUTOENSIS	1	0

	RATHKEA OCTOPUNCTATA	128	0
COTTIDAE	COTTID SPECIES	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	128	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1280	0
	ISCHYROCERUS ANGUIPES	128	0
	PARAPLEUSTES PUGETTENSIS	128	0
	PONTOGENEIA ROSTRATA	512	0
HARPACTICOIDA	HARPACTICOID SPECIES	128	0
	PORCELLIDIUM SPECIES	640	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA OCHOTENSIS	3	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	1280	0
	GASTROPODA SPECIES	128	0
	LACUNA CARINATA	256	5
	LITTORINA SITKANA	1	0
	MARGARITES PUPILLIS	1	0
	MITRELLA GOULDI	256	0
	THAIS LAMELLOSA	1	0
NATANTIA	NATANTIA ZOEA	19968	30
TANAIDACEA	LEPTOGNATHIA GRACILIS	128	0
UNIDENTIFIED	UNIDENTIFIED TAXON	128	0

LOCATION - AIRM YEAR - 1980 MONTH - 7 DAY - 21 SAMPLE VOLUME - 43 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	8	0
BRACHYURA	BRACHYURA ZOEA	200	7
	PUGETTIA RICHII	1	3
CALANOIDA	CALANOID COPEDID	8	0
	CALANUS PACIFICUS	16	0
	EPILABIDOCERA AMPHITRITES	16	0
	PARACALANUS PARVIS	256	0
	PSEUDOCALANUS MINUTUS	912	5
	TORTANUS DISCAUDATUS	168	0
CALICOIDA	CALIGUS SPECIES	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CLADOCERA	PODON POLYPHEMOIDES	616	0
CNIDARIA	CORYNE TUBULOSA	66	20
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CUMACEAE	MESOLAMPROPS SPECIES	56	0
FISH	FISH EGGS	15	0
GAMMARIDEA	CALLIOPIELLA PRATTI	40	0
	EOHAUSTORIUS WASHINGTONIANUS	8	0
	ISCHYROCERUS ANGUIPES	24	0
	PONTOGENEIA ROSTRATA	8	0
HARPACTICOIDA	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	16	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	792	5
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	104	5

	PENTIDOTEA RESECTA	3	10
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	144	0
	GRANULINA MARGARITULA	1	0
	LACUNA CARINATA	112	15
	MARGARITES PUPILLIS	8	0
	MITRELLA CARINATA	3	0
NATANTIA	CRANGON DALLI	2	5
	HEPTACARPUS BREVIROSTRIS	3	5
	HEPTACARPUS STYLUS	1	0
	NATANTIA ZOEA	312	10
NEBALIACEA	NEBALIA BIPES	8	0
NEMATODA	NEMATODA SPECIES	32	0
POLYCHAETA	NEREIS SPECIES	8	0
	POLYCHAETA SPECIES	8	0
SCORPAENIDAE	SEBASTES SPECIES	4	10
UNIDENTIFIED	UNIDENTIFIED TAXON	8	0

LOCATION - AIRM YEAR - 1980 MONTH - 7 DAY - 21 SAMPLE VOLUME - 100 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	32	0
ASTEROIDEA	LEPTASTERIAS HEXACTIS	1	0
BRACHYURA	BRACHYURA MEGALOPS	64	0
	PUGETTIA RICHII	2	10
CALANOIDA	PARACALANUS PARVIS	96	0
	TORTANUS DISCAUDATUS	32	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	64	0
CLADOCERA	PODON POLYPHEMOIDES	32	0
CNIDARIA	CORYNE TUBULOSA	70	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
FISH	FISH SPECIES	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	64	0
	CALLIOPIELLA PRATTI	6080	20
	HYALE FREQUENS	64	0
	HYALE GRANDECORNIS	64	0
	ISCHYROCERUS ANGUIPES	768	0
	PONTOGENEIA ROSTRATA	544	0
	STENOTHOE SPECIES	32	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	3008	0
	HARPACTICUS SPECIES	192	0
	PORCELLIDIUM SPECIES	2656	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	64	0
ISOPODA	IDOTEA OCHOTENSIS	1	0
	IDOTEA RUFESCENS	32	0
	PENTIDOTEA RESECTA	1	0
MOLLUSCA	GASTROPODA SPECIES	32	0
	LACUNA CARINATA	416	0
	MARGARITES PUPILLIS	32	0
	MELIBE LEONINA	1	5

	MITRELLA GOULDI	32	0
NATANTIA	CRANGON DALLI	1	0
	HEPTACARPUS BREVIROSTRIS	47	5
	HEPTACARPUS CARINATUS	25	5
	HEPTACARPUS STIMPSONI	1	0
	HEPTACARPUS STYLUS	138	50
	NATANTIA ZOEA	224	0
NEMATODA	NEMATODA SPECIES	32	0
OSTRACODA	OSTRACODA SPECIES	32	0
POLYCHAETA	NEREIS SPECIES	32	0

LOCATION = AIRM YEAR = 1980 MONTH = 7 DAY = 21 SAMPLE VOLUME = 28 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	10	0
CALANOIDA	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	2	0
	EPILABIDOCERA AMPHITRITES	4	0
	PSEUDOCALANUS MINUTUS	2	0
	TORTANUS DISCAUDATUS	14	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CLADOCERA	PODON POLYPHEMOIDES	38	0
CNIDARIA	CORYNE TUBULOSA	55	15
COTTIDAE	SYNCHIRUS GILLI	1	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	60	15
	CALLIOPIELLA PRATTI	2	0
	HYALE FREQUENS	20	0
	ISCHYROCERUS ANGUIPES	2	0
	PARAPLEUSTES PUGETTENSIS	2	0
	PONTOGENEIA ROSTRATA	12	0
	STENOTHOE SPECIES	2	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	22	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SPECIES	36	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	244	10
ISOPODA	IDOTEA RUFESCENS	10	0
MOLLUSCA	GASTROPODA SPECIES	2	0
	LACUNA CARINATA	84	15
	MELIBE LEONINA	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	5	0
	HEPTACARPUS CARINATUS	1	0
	HEPTACARPUS STYLUS	15	20
	HIPPOLYTE CLARKI	11	20
	NATANTIA ZOEA	18	0
OSTRACODA	OSTRACODA SPECIES	6	0

LOCATION = AIRM YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 130 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	100

LOCATION = AIRM YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 50 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ASTEROIDEA	PYCNOPODIA HELIANTHOIDES	1	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	56	0
	PUGETTIA RICHII	1	60
CALANOIDA	CALANOID COPEDID	60	0
	CALANUS PACIFICUS	20	0
	PSEUDOCALANUS MINUTUS	4	0
	TORTANUS DISCAUDATUS	104	10
CALICOIDA	CALIGUS SPECIES	4	0
CHAETOGNATHA	EUKRONIA HAMATA	20	0
CIRRIPEDIA	BARNACLE CYPRIS	4	0
	BARNACLE NAUPLII	120	0
CLADOCERA	EVADNE NORMANI	4	0
CNIDARIA	CORYNE TUBULOSA	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	23	5
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
	FORAMINIFERIDIA SPECIES	40	0
	MILLIAMINA SPECIES	16	0
GAMMARIDEA	AMPHITHOE LINDBERGI	12	5
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	20	5
	PARAPLEUSTES PUGETTENSIS	12	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	PORCELLIDIUM SPECIES	20	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	4	0
	MUNNA STEPHENSONI	4	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	4	0
	LACUNA CARINATA	16	0
	MARGARITES PUPILLIS	32	0
	MITRELLA CARINATA	1	0
	MOPALIA SINUATA	1	0
	TURBONILLA VALDEZI	4	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	20	0
	ACANTHOMYSIS NEPHROPHTHALMUS	72	0
NATANTIA	HEPTACARPUS CARINATUS	1	0
	HEPTACARPUS STYLUS	5	0
	HIPPOLYTE CLARKI	3	0
	NATANTIA ZOEA	276	15

LOCATION = AIRM YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 40 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	8	0
BRACHYURA	BRACHYURA ZOEA	276	10
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	64	5
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	60	5
	EPILABIDOCERA AMPHITRITES	4	0
	PARACALANUS PARVIS	4	0
	PSEUDOCALANUS MINUTUS	4	0
	TORTANUS DISCAUDATUS	36	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
	CAPRELLA LEVIUSCULA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	44	0
CLADOCERA	EVADNE NORMANI	304	5
	PODON POLYPHEMOIDES	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	99	40
GAMMARIDEA	AMPHITHOE LINDBERGI	24	0
	HYALE FREQUENS	64	2
	HYALE GRANDECORNIS	16	10
	ISCHYROCERUS ANGUIPES	20	3
	PARAPLEUSTES PUGETTENSIS	4	5
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	PORCELLIDIUM SPECIES	20	0
HIRUDINEA	HIRUDINEA SPECIES	1	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	60	0
ISOPODA	IDOTEA RUFESCENS	28	0
	IDOTEA UROTOMA	64	5
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	LACUNA CARINATA	20	0
	MARGARITES HELICINUS	4	0
	MARGARITES PUPILLIS	8	0
	TURBONILLA VALDEZI	4	0
NATANTIA	HEPTACARPUS STIMPSONI	1	0
	HIPPOLYTE CLARKI	24	10
	NATANTIA ZOEA	60	0
	PANDALOPSIS DISPAR	3	0

LOCATION = AIRM YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 160 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	140	0
CALANOIDA	CALANOID COPEDID	4	0
	CENTROPHAGES ABDOMINALIS	36	0
	PSEUDOCALANUS MINUTUS	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	28	0
	CAPRELLA LEVIUSCULA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	80	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	CORYNE TUBULOSA	8	0
COTTIDAE	ARTEDIUS SPECIES	1	0
	SYNCHIRUS GILLI	3	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CUMACEAE	CUMELLA SPECIES	8	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	12	0
GAMMARIDEA	AMPHITHOE LINDBERGI	60	3
	AOROIDES COLUMBIAE	40	2
	CALLIOPIELLA PRATTI	324	20
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	HYALE FREQUENS	76	5
	HYALE GRANDECORNIS	8	0
	PARAPLEUSTES PUGETTENSIS	264	10
	PLEUSTES SPECIES	16	0
	PONTOGENEIA INERMIS	20	0
	PONTOGENEIA ROSTRATA	188	10
	STENOTHOE SPECIES	4	0
	WESTWOODILLA CAECULA	4	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	592	0
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	840	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	12	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	16	0
	MUNNA STEPHENSONI	16	0
	PENTIDOTEA RESECTA	5	0
MOLLUSCA	GASTROPODA SPECIES	4	0
	LACUNA CARINATA	84	10
	MARGARITES PUPILLIS	8	0
	MELIBE LEONINA	11	20
	TURBONILLA VALDEZI	8	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	12	0
	NEOMYSIS AWATSCHENSIS	20	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	110	0
	HEPTACARPUS CARINATUS	2	0
	HEPTACARPUS STIMPSONI	1	0
	HEPTACARPUS STYLUS	98	0

	HIPPOLYTE CLARKI	244	0
	NATANTIA ZOEA	80	5
	PANDALOPSIS DISPAR	2	0
	PANDALUS TRIDENS	1	10
	SPIRONTOCARIS OCHOTENSIS	3	0
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	NEREIS SPECIES	4	0
	SERPULIDAE SPECIES	4	0
	SPIONIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 130 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	6	0
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	140	5
	OREGONIA GRACILIS	1	0
CALANOIDA	CALANOID COPEDID	12	0
	CENTROPHAGES ABDOMINALIS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	52	0
	CAPRELLA LEVIUSCULA	20	0
	TRITELLA PILIMANA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	32	0
CNIDARIA	CORYNE TUBULOSA	20	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	55	5
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	12	0
GAMMARIDEA	AMPHITHOE LINDBERGI	72	3
	AOROIDES COLUMBIAE	12	0
	CALLIOPIELLA PRATTI	100	5
	HYALE FREQUENS	48	2
	HYALE GRANDECORNIS	24	0
	ISCHYROCERUS ANGUIPES	60	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	20	0
	PONTOGENEIA ROSTRATA	8	0
	STENOTHOE SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	196	0
	HARPACTICUS SPECIES	12	0
	PORCELLIDIUM SPECIES	252	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	4	0
ISOPODA	IDOTEA UROTOMA	48	0
	MUNNA STEPHENSONI	4	0
	PENTIDOTEA RESECTA	4	0
	PSEUDIONE SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	LACUNA CARINATA	100	10
	MARGARITES PUPILLIS	1	0
	MELIBE LEONINA	2	10

	MITRELLA CARINATA	8	0
	MITRELLA GOULDI	15	0
	MYTILUS EDULIS	4	0
	TURBONILLA VALDEZI	8	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	100	10
	HEPTACARPUS CARINATUS	12	0
	HEPTACARPUS STIMPSONI	2	0
	HEPTACARPUS STYLUS	19	0
	HIPPOLYTE CLARKI	434	50
	NATANTIA ZOEA	56	0
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	NEREIS SPECIES	4	0
	SERPULIDAE SPECIES	4	0

LOCATION - AIRM YEAR - 1980 MONTH - 9 DAY - 21 SAMPLE VOLUME - 40 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	112	0
CALANOIDA	CALANOID COPEDID	496	10
	CALANUS PACIFICUS	24	0
	EPILABIDOCERA AMPHITRITES	16	0
	EUCALANUS BUNGI BUNGI	8	0
	PARACALANUS PARVIS	24	0
	PSEUDOCALANUS MINUTUS	16	0
	TORTANUS DISCAUDATUS	1280	60
CAPRELLIDEA	CAPRELLA EQUILIBRIA	24	0
	CAPRELLA LEVIUSCULA	8	0
CNIDARIA	AGLANTHA DIGITALE	32	5
	CORYNE TUBULOSA	16	5
	OBELIA SPECIES	1	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	24	5
GAMMARIDEA	AMPHITHOE LINDBERGI	24	0
	HYALE FREQUENS	8	0
	ISCHYROCERUS ANGUIPES	8	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	8	0
HYDROID COLONY	HYDROID COLONY	1	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
INSECTA	DIPTERA SPECIES	32	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	32	0
LARVACEA	OIKOPLEURA DIOICA	144	0
MYSIDACEAE	NEOMYSIS AWATSCHENSIS	8	0
NATANTIA	NATANTIA ZOEA	384	10

LOCATION = AIRM YEAR = 1980 MONTH = 9 DAY = 21 SAMPLE VOLUME = 45 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	28	5
CALANOIDA	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	74	15
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	4	0
	PARACALANUS PARVIS	24	5
	PSEUDOCALANUS MINUTUS	8	0
	TORTANUS DISCAUDATUS	94	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	20	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
GAMMARIDEA	AMPHITHOE LINDBERGI	28	10
	AOROIDES COLUMBIAE	6	0
	CALLIOPIELLA PRATTI	2	0
	HYALE FREQUENS	42	20
	HYALE GRANDECORNIS	4	0
	ISCHYROCERUS ANGUIPES	28	10
	PHLIANTIDAE SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	2	0
	PORCELLIDIUM SPECIES	22	0
HYDROID COLONY	HYDROID COLONY	1	0
INSECTA	DIPTERA SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	14	0
	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	10	5
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	LACUNA CARINATA	4	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	18	5
	HEPTACARPUS STYLUS	6	0
	HIPPOLYTE CLARKI	76	20
	NATANTIA ZOEA	30	0
POLYCHAETA	CIRRATULUS SPECIES	2	0
UNIDENTIFIED	UNIDENTIFIED TAXON	6	0

LOCATION = AIRM YEAR = 1980 MONTH = 9 DAY = 21 SAMPLE VOLUME = 93 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	4	0
BRACHYURA	BRACHYURA ZOEA	4	0
	PUGETTIA RICHII	1	5
CALANOIDA	CALANOID COPEDID	8	0
	TORTANUS DISCAUDATUS	24	0

CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
	TRITELLA PILIMANA	8	0
CLADOCERA	EVADNE NORMANI	4	0
COTTIDAE	SYNCHIRUS GILLI	2	0
GAMMARIDEA	AMPHITHOE LINDBERGI	200	5
	AOROIDES COLUMBIAE	44	0
	CALLIOPIELLA PRATTI	4	0
	HYALE FREQUENS	72	5
	HYALE GRANDECORNIS	12	0
	ISCHYROCERUS ANGUIPES	156	0
	PARAPLEUSTES PUGETTENSIS	52	0
	PLEUSTES SPECIES	12	0
	PONTOGENEIA INERMIS	12	0
	PONTOGENEIA ROSTRATA	44	5
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	332	0
	PORCELLIDIUM SPECIES	248	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA OCHOTENSIS	26	0
	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	8	0
MOLLUSCA	LACUNA CARINATA	76	5
	MITRELLA CARINATA	16	0
	MITRELLA GOULDI	12	0
MYSIDACEAE	NEOMYSIS AWATSCHENSIS	12	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	24	0
	HEPTACARPUS CARINATUS	15	0
	HEPTACARPUS STIMPSONI	2	5
	HEPTACARPUS STYLUS	26	5
	HIPPOLYTE CLARKI	251	60
	NATANTIA ZOEA	44	5

LOCATION = AIRM YEAR = 1980 MONTH = 9 DAY = 21 SAMPLE VOLUME = 85 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	8	0
CALANOIDA	CALANOID COPEDID	32	0
	PARACALANUS PARVIS	4	0
	PSEUDOCALANUS MINUTUS	4	0
	TORTANUS DISCAUDATUS	52	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
	TRITELLA PILIMANA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	RATHKEA OCTOPUNCTATA	4	0
COTTIDAE	SYNCHIRUS GILLI	2	2
CTENOPHORA	PLEUROBRANCHIA BACHEI	3	.5
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
	FORAMINIFERIDIA SPECIES	8	0
GAMMARIDEA	AMPHITHOE LINDBERGI	192	10
	AOROIDES COLUMBIAE	4	0

	CALLIOPIELLA PRATTI	32	0
	HYALE FREQUENS	212	10
	HYALE GRANDECORNIS	16	0
	ISCHYROCERUS ANGUIPES	80	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PONTOGENEIA ROSTRATA	16	0
	STENOTHOE SPECIES	4	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	2	3
HARPACTICOIDA	HARPACTICOID SPECIES	84	0
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SPECIES	136	0
HOLOTHUROIDEA	EUPENTACTA QUINQUISEMITA	1	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	40	0
	IDOTEA UROTOMA	112	0
	PENTIDOTEA RESECTA	28	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	8	0
	LACUNA CARINATA	28	0
	LIMPET SPECIES	4	0
	MITRELLA CARINATA	3	0
	MITRELLA GOULDI	4	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	8	0
	HEPTACARPUS CARINATUS	2	0
	HEPTACARPUS STIMPSONI	3	0
	HEPTACARPUS STYLUS	1	0
	HIPPOLYTE CLARKI	412	70
	NATANTIA ZOEA	92	0
OPHIUROIDE	OPHIOPHOLUS SPECIES	1	0
OSTRACODA	OSTRACODA SPECIES	4	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 20 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA PRODUCTA	1	50
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	2	0
	EURYTEMORA HIRUNDOIDES	16	0
	PSEUDOCALANUS MINUTUS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	90	0
	CYPRIS LARVA	2	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	8	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	6	0
	RATHKEA OCTOPUNCTATA	6	0
CUMACEAE	LAMPROPS QUADRIPLICATA	4	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
	LIPARIS FLORAE	2	0
FISH	FISH EGGS	4	0

FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	36	8
	ISCHYROCERUS ANGUIPES	18	0
	ORCHESTOIDEA SPECIES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	18	0
	PONTOGENEIA INERMIS	34	7
	STENOTHOE SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	374	7
	HARPACTICUS SPECIES	134	3
	PORCELLIDIUM SARSI	24	0
ISOPODA	IDOTEA RUFESCENS	2	0
	PENTIDOTEA RESECTA	6	0
LARVACEA	OIKOPLEURA DIOICA	30	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
	LACUNA CARINATA	8	0
MYSIDACEAE	ACANTHOMYSIS SCULPTA	2	0
NATANTIA	HEPTACARPUS CARINATUS	4	10
	HIPPOLYTE CLARKI	12	15
	NATANTIA ZOEA	10	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 29 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA ZOEA	2714	40
CALANOIDA	AETEDIUS ARMATUS	2	0
	CALANUS GLACIALIS	36	0
	CENTROPHAGES ABDOMINALIS	8	0
	EURYTEMORA HIRUNDOIDES	6	0
	MONSTRILLA SPECIES	2	0
	TORTANUS DISCAUDATUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2266	40
CLUPEIDAE	CLUPEA HARENGUS PALLASI	48	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	RATHKEA OCTOPUNCTATA	4	0
CUMACEAE	LAMPROPS QUADRIPLICATA	2	0
	LEPTOCUMA SPECIES	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	6	0
FISH	FISH EGGS	4	0
	FISH LARVAE	6	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	6	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	66	5
	CALLIOPIELLA PRATTI	4	0
	ISCHYROCERUS ANGUIPES	88	5
	ORCHESTOIDEA SPECIES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	6	0
	PONTOGENEIA INERMIS	230	10
	STENOTHOE SPECIES	4	0

HARPACTICOIDA	HARPACTICOID SPECIES	22	0
	HARPACTICUS SPECIES	124	0
	PORCELLIDIUM SARSI	22	0
ISOPODA	EUSYMMERUS SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	50	0
MOLLUSCA	AMPHISSA VERSICOLOR	2	0
	EUBRANCHUS OLIVACEUS	56	0
	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	2	0
	MARGARITES HELICINUS	2	0
	MARGARITES PUPILLIS	6	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
	ACANTHOMYSIS SCULPTA	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	8	0
	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	144	0
POLYCHAETA	NEREIS SPECIES	22	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 14 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	875	30
CALANOIDA	ACARTIA LONGIREMUS	21	0
	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	13	0
	EPILABIDOCERA AMPHITRITES	2	0
	EUCALANUS BUNGI BUNGI	1	0
	EURYTEMORA HIRUNDOIDES	1	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	19	0
	SCOLOCITHRICELLA MINOR	3	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	801	30
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	1	0
	PODON POLYPHEMOIDES	1	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	33	0
	CLUPEID EGGS	12	0
CNIDARIA	BLACKFORDIA SPECIES	5	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	3	0
FISH	FISH LARVAE	17	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	HYALE FREQUENS	3	0
	ISCHYROCERUS ANGUIPES	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	775	30
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	2	0

NATANTIA	NATANTIA ZOEA	203	10
PHOLIDAE	PHOLIDAE SPECIES	7	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 30 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	5
BRACHYURA	BRACHYURA ZOEA	2610	30
CALANOIDA	CALANUS GLACIALIS	44	0
	CENTROPHAGES ABDOMINALIS	6	0
	EURYTEMORA HIRUNDOIDES	4	0
	METRIDIA PACIFICA	2	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	1720	10
	CYPRIS LARVA	2	0
CUMACEAE	LAMPROPS QUADRIPLICATA	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	8	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
	FORAMINIFERIDIA SPECIES	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	58	2
	HYALE FREQUENS	12	0
	ISCHYROCERUS ANGUIPES	106	3
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	234	5
	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	156	0
	HARPACTICUS SPECIES	158	0
	PORCELLIDIUM SARSI	82	0
ISOPODA	PENTIDOTEA RESECTA	4	5
LARVACEA	OIKOPLEURA DIOICA	112	0
MOLLUSCA	CERITHEOPSIS SPECIES	2	0
	CREPIDULA FORNICATA	2	0
	EUBRANCHUS OLIVACEUS	28	0
	LACUNA CARINATA	6	0
	MARGARITES PUPILLIS	2	0
	MELIBE LEONINA	2	0
	MITRELLA CARINATA	2	0
	TURBONILLA VALDEZI	2	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	6	0
	ACANTHOMYSIS NEPHROPHTHALMUS	4	0
NATANTIA	CRANGON SPECIES	2	0
	HEPTACARPUS CARINATUS	2	0
	HIPPOLYTE CLARKI	12	25
	NATANTIA ZOEA	18	0
	PANDALUS DANAE	72	0
PHOLIDAE	PHOLIDAE SPECIES	2	15
POLYCHAETA	NEREIS SPECIES	174	0
		6	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 14 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	82	0
	PUGETTIA PRODUCTA	1	50
CALANOIDA	ACARTIA LONGIREMUS	1	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	5	1
	CENTROPHAGES ABDOMINALIS	1	0
	EURYTEMORA HIRUNDOIDES	33	3
	METRIDIA PACIFICA	2	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	5	0
	TORTANUS DISCAUDATUS	1	0
CIRRIPEDIA	BARNACLE NAUPLII	120	15
	CYPRIS LARVA	1	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	16	0
CNIDARIA	BLACKFORDIA SPECIES	10	2
	RATHKEA OCTOPUNCTATA	3	0
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
FISH	FISH EGGS	5	0
	FISH LARVAE	7	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
	FORAMINIFERIDIA SPECIES	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	12	5
	CALLIOPIELLA PRATTI	7	0
	HYALE FREQUENS	21	5
	ISCHYROCERUS ANGUIPES	7	0
	ORCHESTOIDEA SPECIES	3	0
	PHOTIS BREVIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	9	0
	PONTOGENEIA INERMIS	22	5
	PONTOGENEIA ROSTRATA	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	215	10
	HARPACTICUS SPECIES	112	5
	PORCELLIDIUM SARSI	29	0
ISOPODA	IDOTEA RUFESCENS	7	0
	IDOTEA UROTOMA	4	0
	PENTIDOTEA RESECTA	3	0
LARVACEA	OIKOPLEURA DIOICA	31	0
MOLLUSCA	LACUNA CARINATA	8	0
	MITRELLA CARINATA	3	0
NATANTIA	HIPPOLYTE CLARKI	57	0
	NATANTIA ZOEA	12	0
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	SPIONIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 25 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	37284	80
CALANOIDA	ACARTIA LONGIREMUS	12	0
	AETEDIUS ARMATUS	20	0
	CALANOID COPEDID	20	0
	CALANUS GLACIALIS	156	0
	CENTROPHAGES ABDOMINALIS	20	0
	EUCALANUS BUNGI BUNGI	8	0
	EURYTEMORA HIRUNDOIDES	156	0
	METRIDIA PACIFICA	12	0
	MICROCALANUS PYGMAEUS	16	0
	MONSTRILLA SPECIES	8	0
	PSEUDOCALANUS MINUTUS	252	0
	SCOLOCITHRICELLA MINOR	200	0
	TORTANUS DISCAUDATUS	12	0
CIRRIPEDIA	BARNACLE NAUPLII	572	0
	CYPRIS LARVA	256	0
CNIDARIA	BLACKFORDIA SPECIES	100	0
	CORYNE TUBULOSA	608	10
	OBELIA LONGISSIMA	104	0
	RATHKEA OCTOPUNCTATA	1088	10
	TUBULARIA CHRISTINAE	4	0
	TUBULARIA PROLIFER	12	0
COTTIDAE	COTTID SPECIES	12	0
FISH	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	80	0
	ISCHYROCERUS ANGUIPES	20	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	36	0
HARPACTICOIDA	HARPACTICOID SPECIES	68	0
	HARPACTICUS SPECIES	84	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	8	0
	PENTIDOTEA RESECTA	4	0
LARVACEA	OIKOPLEURA DIOICA	96	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	12	0
	GASTROPODA JUVENILE	52	0
	LACUNA CARINATA	16	0
	MITRELLA CARINATA	12	0
	MITRELLA GOULDI	20	0
NATANTIA	NATANTIA ZOEA	116	0
OSTRACODA	OSTRACODA SPECIES	4	0
PHOLIDAE	PHOLIDAE SPECIES	8	0
POLYCHAETA	SPIONIDAE SPECIES	44	0
SCORPAENIDAE	SEBASTES SPECIES	176	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 13 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	11778	99
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANOID COPEDID	14	0
	CALANUS GLACIALIS	86	0
	CALANUS PACIFICUS	2	0
	CENTROPHAGES ABDOMINALIS	2	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA AMERICANA	2	0
	EURYTEMORA HIRUNDOIDES	38	0
	METRIDIA PACIFICA	16	0
	MICROCALANUS PYGMAEUS	16	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	100	0
	SCAPHOCALANUS BREVICORNIS	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	838	0
	CYPRIS LARVA	290	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	4	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	8	1
CNIDARIA	BLACKFORDIA SPECIES	18	0
	CORYNE TUBULOSA	56	0
	OBELIA LONGISSIMA	16	0
	RATHKEA OCTOPUNCTATA	278	0
	TUBULARIA PROLIFER	12	0
COTTIDAE	COTTID SPECIES	6	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	14	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	20	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	2	0
LARVACEA	OIKOPLEURA DIOICA	248	0
MOLLUSCA	GASTROPODA JUVENILE	32	0
NATANTIA	NATANTIA ZOEA	170	0
POLYCHAETA	SPIONIDAE SPECIES	10	0
STICHAEIDAE	STICHAEIDAE SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 42 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	44840	80
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	64	0
	CENTROPHAGES ABDOMINALIS	8	0
	EUCALANUS BUNGI BUNGI	8	0
	EURYTEMORA HIRUNDOIDES	8	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	240	0
	SCOLOCITHRICELLA MINOR	96	0
CIRRIPEDIA	BARNACLE NAUPLII	4552	10
	CYPRIS LARVA	280	0
CNIDARIA	BLACKFORDIA SPECIES	120	3
	CORYNE TUBULOSA	104	3
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	144	3
	TUBULARIA PROLIFER	48	1
COTTIDAE	COTTID SPECIES	16	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	8	0
CYCLOPTERIDAE	LIPARIS FLORAE	8	0
FISH	FISH EGGS	8	0
	FISH LARVAE	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	8	0
HARPACTICOIDA	HARPACTICUS SPECIES	16	0
ISOPODA	IDOTEA UROTOMA	8	0
LARVACEA	OIKOPLEURA DIOICA	368	0
MOLLUSCA	GASTROPODA JUVENILE	72	0
NATANTIA	NATANTIA ZOEA	928	0
PHOLIDAE	PHOLIDAE SPECIES	208	0
POLYCHAETA	SPIONIDAE SPECIES	8	0
SCORPAENIDAE	SEBASTES SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 9 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1990	80
CALANOIDA	ACARTIA LONGIREMUS	5	0
	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	18	0
	EURYTEMORA HIRUNDOIDES	3	0
	METRIDIA PACIFICA	1	0
	PARACALANUS PARVIS	1	0

	PSEUDOCALANUS MINUTUS	28	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	1	0
CIRRIPEDIA	BARNACLE NAUPLII	293	10
	CYPRIS LARVA	21	0
CLADOCERA	PODON POLYPHEMOIDES	14	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	12	0
	OBELIA LONGISSIMA	3	0
	RATHKEA OCTOPUNCTATA	9	0
	TUBULARIA PROLIFER	25	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	3	0
LARVACEA	OIKOPLEURA DIOICA	73	0
MOLLUSCA	GASTROPODA JUVENILE	6	0
NATANTIA	NATANTIA ZOEA	499	10
STICHAEIDAE	STICHAEIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 20 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	5242	70
CALANOIDA	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	34	0
	CENTROPHAGES ABDOMINALIS	4	0
	EURYTEMORA HIRUNDOIDES	104	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	68	0
	SCOLOCITHRICELLA MINOR	60	0
	TORTANUS DISCAUDATUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	472	0
	CYPRIS LARVA	130	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	4	0
CNIDARIA	BLACKFORDIA SPECIES	18	0
	CORYNE TUBULOSA	118	10
	OBELIA LONGISSIMA	18	0
	RATHKEA OCTOPUNCTATA	198	20
	TUBULARIA CHRISTINAE	4	0
CUMACEAE	LAMPROPS QUADRIPLICATA	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH LARVAE	6	0
GAMMARIDEA	CALLIOPIELLA PRATTI	82	0
	HYALE FREQUENS	12	0
	ISCHYROCERUS ANGUIPES	16	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	12	0
	PONTOGENEIA INERMIS	12	0
HARPACTICOIDA	HARPACTICOID SPECIES	254	0
	HARPACTICUS SPECIES	308	0

	PORCELLIDIUM SARSI	4	0
ISOPODA	IDOTEA UROTOMA	8	0
LARVACEA	OIKOPLEURA DIOICA	12	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	34	0
	LACUNA CARINATA	8	0
	MITRELLA CARINATA	0	0
	MITRELLA GOULDI	10	0
NATANTIA	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	32	0
OSTRACODA	OSTRACODA SPECIES	4	0
PHOLIDAE	PHOLIDAE SPECIES	6	0
POLYCHAETA	SPIONIDAE SPECIES	56	0

LOCATION = AIRM YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 18 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA ZOEA	6414	60
CALANOIDA	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	30	0
	CENTROPHAGES ABDOMINALIS	2	0
	EURYTEMORA HIRUNDOIDES	4	0
	METRIDIA PACIFICA	4	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	140	0
	SCOLOCITHRICELLA MINOR	50	0
CIRRIPEDIA	BARNACLE NAUPLII	2148	40
	CYPRIS LARVA	370	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	36	0
	OBELIA LONGISSIMA	10	0
	RATHKEA OCTOPUNCTATA	36	0
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	30	0
COTTIDAE	COTTID SPECIES	2	0
CYCLOPTERIDAE	LIPARIS FLORAE	2	0
FISH	FISH EGGS	6	0
GAMMARIDEA	CALLIOPIELLA PRATTI	22	0
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	84	0
	HARPACTICUS SPECIES	48	0
ISOPODA	IDOTEA UROTOMA	2	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	126	0
MOLLUSCA	GASTROPODA JUVENILE	84	0
	LACUNA CARINATA	2	0
NATANTIA	HIPPOLYTE CLARKI	8	0

	NATANTIA ZOEA	56	0
PHOLIDAE	PHOLIDAE SPECIES	4	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0
	SPIONIDAE SPECIES	130	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 30 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8502	90
CALANOIDA	ACARTIA LONGIREMUS	14	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	148	3
	CENTROPHAGES ABDOMINALIS	4	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	36	0
	MONSTRILLA SPECIES	4	0
	PSEUDOCALANUS MINUTUS	154	2
	SCOLOCITHRICELLA MINOR	80	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
	CYPRIS LARVA	4	0
CNIDARIA	AGLANTHA DIGITALE	8	0
	BLACKFORDIA SPECIES	28	0
	CORYNE TUBULOSA	324	3
	OBELIA LONGISSIMA	32	0
	RATHKEA OCTOPUNCTATA	126	2
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	30	0
FISH	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	18	0
ISOPODA	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	736	0
NATANTIA	NATANTIA ZOEA	74	0
PHOLIDAE	PHOLIDAE SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 9 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	13	0
	BRACHYURA ZOEA	1024	90
	CANCER OREGONENSIS	1	0
CALANOIDA	ACARTIA LONGIREMUS	12	0

	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	1	0
	EURYTEMORA HIRUNDOIDES	1	0
	MICROCALANUS PYGMAEUS	1	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	1	0
	SCOLOCITHRICELLA MINOR	5	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CNIDARIA	AGLANTHA DIGITALE	7	0
	CORYNE TUBULOSA	1	0
	RATHKEA OCTOPUNCTATA	11	2
	TUBULARIA PROLIFER	29	3
FISH	FISH EGGS	1	0
	FISH LARVAE	7	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	HYALE FREQUENS	6	0
	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	3	0
INSECTA	CHIRONIMIDAE ADULT	8	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	165	5
NATANTIA	NATANTIA ZOEA	19	0
POLYCHAETA	AUTOLYTUS SPECIES	17	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 18 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	20	0
	BRACHYURA ZOEA	1290	40
CALANOIDA	CALANUS GLACIALIS	16	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	30	0
	PSEUDOCALANUS MINUTUS	12	0
	SCOLOCITHRICELLA MINOR	6	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	BLACKFORDIA SPECIES	6	0
	CORYNE TUBULOSA	8	0
	EUPHYSA TENTACULATA	2	0
	RATHKEA OCTOPUNCTATA	230	40
COTTIDAE	COTTID SPECIES	14	0
CYCLOPTERIDAE	LIPARIS SPECIES	152	5
FISH	FISH EGGS	2	0
GAMMARIDEA	HYALE FREQUENS	14	0
	ISCHYROCERUS ANGUIPES	4	0
	ORCHESTOIDEA SPECIES	4	0
	PARAPLEUSTES PUGETTENSIS	6	0
	PLEUSIRUS SECORRUS	6	0
	PONTOGENEIA INERMIS	6	0

	PONTOGENEIA INTERMEDIA	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	200	5
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	300	10
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	2	0
	LIRULARIA SPECIES	2	0
NATANTIA	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	136	0
OSTRACODA	OSTRACODA SPECIES	2	0
PHOLIDAE	PHOLIDAE SPECIES	54	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 114 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	273	50
CALANOIDA	ACARTIA LONGIREMUS	7	0
	CALANOID COPEDID	6	0
	CALANUS GLACIALIS	1	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	3	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	2	0
CIRRIPEDIA	BARNACLE NAUPLII	77	0
	CYPRIS LARVA	5	0
CNIDARIA	BLACKFORDIA SPECIES	5	0
	CORYNE TUBULOSA	7	0
	EUPHYSA TENTACULATA	15	5
	RATHKEA OCTOPUNCTATA	33	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
FISH	FISH EGGS	3	0
HARPACTICOIDA	HARPACTICUS SPECIES	1	0
	PORCELLIDIUM SARSI	1	0
LARVACEA	OIKOPLEURA DIOICA	203	40
MOLLUSCA	GASTROPODA JUVENILE	11	0
NATANTIA	NATANTIA ZOEA	32	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 9 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1935	95
CALANOIDA	ACARTIA LONGIREMUS	159	4
	CALANUS GLACIALIS	6	0
	CENTROPHAGES ABDOMINALIS	3	0
	EUCALANUS BUNGI BUNGI	9	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	25	1
	SCOLOCITHRICELLA MINOR	15	0
	TORTANUS DISCAUDATUS	7	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	11	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	35	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	7	0
	SOLMISSUS MARSHALLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	3	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	12	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	31	0
	PORCELLIDIUM SARSI	4	0
INSECTA	MUSCIDAE ADULT	2	0
LARVACEA	OIKOPLEURA DIOICA	75	0
MOLLUSCA	GASTROPODA JUVENILE	5	0
NATANTIA	NATANTIA ZOEA	17	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 15 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	3634	95
	SCYRA ACUTIFRONS	3	0
CALANOIDA	ACARTIA LONGIREMUS	140	0
	AETEDIUS ARMATUS	1	0
	CALANUS GLACIALIS	16	0
	CALANUS PLUMCHRUS	1	0
	CENTROPHAGES ABDOMINALIS	15	0
	EUCALANUS BUNGI BUNGI	2	0
	EURYTEMORA HIRUNDOIDES	1	0

	METRIDIA PACIFICA	5	0
	MICROCALANUS PYGMAEUS	6	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	52	0
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	3	0
CIRRIPEDIA	BARNACLE NAUPLII	1	0
	CYPRIS LARVA	1	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	18	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	1	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	18	1
	ISCHYROCERUS ANGUIPES	21	1
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	61	3
HARPACTICOIDA	HARPACTICOID SPECIES	10	0
	HARPACTICUS SPECIES	77	0
	PORCELLIDIUM SARSI	12	0
INSECTA	MUSCIDAE ADULT	5	0
LARVACEA	OIKOPLEURA DIOICA	49	0
MOLLUSCA	GASTROPODA JUVENILE	6	0
NATANTIA	NATANTIA ZOEA	80	0
OSTRACODA	OSTRACODA SPECIES	3	0
PHOLIDAE	PHOLIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 42 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	4	0
BRACHYURA	BRACHYURA ZOEA	9176	90
	PUGETTIA RICHII	4	0
CALANOIDA	ACARTIA LONGIREMUS	36	0
	CALANUS GLACIALIS	36	0
	CENTROPHAGES ABDOMINALIS	60	0
	EUCALANUS BUNGI BUNGI	8	0
	EURYTEMORA HIRUNDOIDES	12	0
	METRIDIA PACIFICA	4	0
	MICROCALANUS PYGMAEUS	4	0
	MONSTRILLA SPECIES	4	0
	PSEUDOCALANUS MINUTUS	196	0
	SCOLOCITHRICELLA MINOR	36	0
	TORTANUS DISCAUDATUS	56	0
CNIDARIA	CORYNE TUBULOSA	40	0
	RATHKEA OCTOPUNCTATA	16	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	40	0
GAMMARIDEA	CALLIOPIELLA PRATTI	176	0
	ISCHYROCERUS ANGUIPES	52	0

	PARAPLEUSTES PUGETTENSIS	12	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	0
	PONTOGENEIA INERMIS	48	0
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	HARPACTICUS SPECIES	36	0
	PORCELLIDIUM SARSI	24	0
ISOPODA	EUSYMMERUS SPECIES	8	0
	MUNNA STEPHENSONI	4	0
	PENTIDOTEA RESECTA	4	0
LARVACEA	OIKOPLEURA DIOICA	248	0
MOLLUSCA	GASTROPODA JUVENILE	56	0
	LACUNA CARINATA	12	0
	MITRELLA CARINATA	8	0
	ODOSTOMIA TENUISCHULPTA	4	0
NATANTIA	NATANTIA ZOEA	2984	10
PHOLIDAE	PHOLIDAE SPECIES	36	0
	XERXERPES FUCORUM	4	0
POLYCHAETA	NEREIS SPECIES	4	0
ZOARCIDAE	ZOARCIDAE SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOFS	2	0
	BRACHYURA ZOEA	711	80
CALANOIDA	ACARTIA LONGIREMUS	54	4
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	6	0
	CENTROPHAGES ABDOMINALIS	13	1
	EPILABIDOCERA AMPHITRITES	4	0
	EUCALANUS BUNGI BUNGI	6	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	51	4
	SCAPHOCALANUS BREVICORNIS	4	0
	TORTANUS DISCAUDATUS	10	1
CIRRIPEDIA	BARNACLE NAUPLII	3	0
CLADOCERA	PODON POLYPHEMOIDES	13	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	2	0
COTTIDAE	COTTID SPECIES	1	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	2
	DEXAMONICA (ATYLUS) COLLINGI	2	1
	ISCHYROCERUS ANGUIPES	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	3	1
	PONTOGENEIA INERMIS	1	0
	PONTOGENEIA INTERMEDIA	5	1
	PONTOGENEIA ROSTRATA	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	11	0
	PORCELLIDIUM SARSI	2	0

LARVACEA	OIKOPLEURA DIOICA	72	5
MOLLUSCA	EUBRANCHUS OLIVACEUS	6	0
	GALEOMATACEAE (SUPERFAMILY)	1	0
	GASTROPODA JUVENILE	11	0
	LACUNA CARINATA	10	0
	MITRELLA CARINATA	1	0
	MITRELLA GOULDI	2	0
NATANTIA	NATANTIA ZOEA	47	0
POLYCHAETA	AUTOLYTUS SPECIES	1	0
STICHAEIDAE	STICHAEIDAE SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 125 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	24	0
BRACHYURA	BRACHYURA MEGALOPS	56	0
	BRACHYURA ZOEA	24	0
	PUGETTIA RICHII	2	10
CALANOIDA	ACARTIA LONGIREMUS	192	0
	AETEDIUS ARMATUS	8	0
	EURYTEMORA HIRUNDOIDES	3960	9
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	80	0
	SCOLOCITHRICELLA MINOR	240	0
CIRRIPEDIA	BARNACLE NAUPLII	24	0
CNIDARIA	RATHKEA OCTOPUNCTATA	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	9856	73
	ISCHYROCERUS ANGUIPES	800	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	176	0
	PONTOGENEIA INERMIS	1408	0
HARPACTICOIDA	HARPACTICOID SPECIES	3712	0
	HARPACTICUS SPECIES	1096	0
	PORCELLIDIUM SARSI	744	0
ISOPODA	IDOTEA UROTOMA	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	24	0
	GASTROPODA JUVENILE	864	4
	LACUNA CARINATA	72	1
	MITRELLA CARINATA	112	2
	MITRELLA GOULDI	72	1
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	8	0
	ACANTHOMYSIS SCULPTA	96	0
NATANTIA	CRANGON SPECIES	24	0
	HEPTACARPUS CARINATUS	24	0
	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	184	0
	PANDALUS DANAE	8	0
NEMATODA	NEMATODA SPECIES	8	0
OLIGOCEATA	ENCHYTRAEIDAE SPECIES	8	0
OSTRACODA	OSTRACODA SPECIES	8	0
PHOLIDAE	PHOLIDAE SPECIES	24	0
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 30 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ASTEROIDEA	ASTEROIDIDEA SPECIES	4	0
BRACHYURA	BRACHYURA ZOEA	8180	80
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	188	0
	CENTROPHAGES ABDOMINALIS	4	0
	EURYTEMORA HIRUNDOIDES	16	0
	MONSTRILLA SPECIES	4	0
	PSEUDOCALANUS MINUTUS	24	0
	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	44	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	764	20
	RATHKEA OCTOPUNCTATA	248	0
COTTIDAE	COTTID SPECIES	4	0
CUMACEAE	DIASTYLOPSIS SPECIES	44	0
	LAMPROPS QUADRIPLICATA	104	0
CYCLOPTERIDAE	LIPARIS FLORAE	12	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	32	0
	CALLIOPIELLA PRATTI	12	0
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	FOXIPHALUS SIMILIS	4	0
	HYALE FREQUENS	12	0
	ISCHYROCERUS ANGUIPES	68	0
	PARAPLEUSTES PUGETTENSIS	20	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	40	0
	PONTOGENEIA INTERMEDIA	8	0
	SYNCHELIDIUM SHOEMAKERI	20	0
HARPACTICOIDA	HARPACTICOID SPECIES	32	0
	HARPACTICUS SPECIES	20	0
	PORCELLIDIUM SARSI	8	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	24	0
	PELECYPODA JUVENILE	4	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	32	0
NATANTIA	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	16	0
POLYCHAETA	POLYCHAETA SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 220 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ARACHNIDA	ARACHNIDA SPECIES	24	0
BRACHYURA	BRACHYURA ZOEA	1616	16
CALANOIDA	ACARTIA LONGIREMUS	80	0
	AETEDIUS ARMATUS	32	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	40	0
	EURYTEMORA HIRUNDOIDES	1448	16
	PSEUDOCALANUS MINUTUS	120	0
	SCOLOCITHRICELLA MINOR	136	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	BLACKFORDIA SPECIES	32	0
	CORYNE TUBULOSA	336	8
	RATHKEA OCTOPUNCTATA	96	0
CYCLOPTERIDAE	LIPARIS FLORAE	64	0
ECHUNOIDEA	STRONGYLOCENTROTUS FRANCISCANUS	1	20
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	AOROIDES COLUMBIAE	8	0
	CALLIOPIELLA PRATTI	272	8
	DEXAMONICA (ATYLUS) COLLINGI	392	8
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	416	8
	PLEUSTES SPECIES	56	0
	PONTOGENEIA INERMIS	584	16
	PONTOGENEIA INTERMEDIA	24	0
HARPACTICOIDA	HARPACTICOID SPECIES	120	0
	HARPACTICUS SPECIES	112	0
	PORCELLIDIUM SARSI	56	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	EUSYMMERUS SPECIES	32	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	32	0
	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	16	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	472	0
	ACANTHOMYSIS SCULPTA	24	0
NATANTIA	HIPPOLYTE CLARKI	136	0
	NATANTIA ZOEA	56	0
	PANDALUS DANAE	1	0
OSTRACODA	OSTRACODA SPECIES	16	0
POLYCHAETA	NEREIS SPECIES	32	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 8 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
ARACHNIDA	ARACHNIDA SPECIES	1	0
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	46	0
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	1	0
	EURYTEMORA HIRUNDOIDES	5	0
	MICROCALANUS PYGMAEUS	1	0
	PSEUDOCALANUS MINUTUS	2	0
	SCOLOCITHRICELLA MINOR	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	83	30
	RATHKEA OCTOPUNCTATA	186	70
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	1	0
	PONTOGENEIA INTERMEDIA	5	0
HARPACTICOIDA	HARPACTICOID SPECIES	5	0
	HARPACTICUS SPECIES	18	0
	PORCELLIDIUM SARSI	1	0
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	1	0
NATANTIA	HEPTACARPUS CARINATUS	1	0
	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 230 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	48	5
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	304	0
	PUGETTIA RICHII	12	14
	SCYRA ACUTIFRONS	1	0
CALANOIDA	ACARTIA LONGIREMUS	96	0
	CALANOID COPEDID	16	0

	CALANUS GLACIALIS	16	0
	EURYTEMORA HIRUNDOIDES	3088	6
	METRIDIA PACIFICA	80	0
	PSEUDOCALANUS MINUTUS	304	0
	SCOLOCITHRICELLA MINOR	320	0
CNIDARIA	CORYNE TUBULOSA	192	0
	RATHKEA OCTOPUNCTATA	16	0
COTTIDAE	BLEPSIAS CIRRHOSUS	1	5
	COTTID SPECIES	16	5
EMBIOTOCIDAE	RHACOCHILUS VACCA	1	5
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
GAMMARIDEA	CALLIOPIELLA PRATTI	10992	39
	ISCHYROCERUS ANGUIPES	576	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	0
	PONTOGENEIA INERMIS	480	0
HARPACTICOIDA	HARPACTICOID SPECIES	6800	3
	HARPACTICUS SPECIES	1616	1
	PORCELLIDIUM SARSI	560	0
ISOPODA	IDOTEA OCHOTENSIS	2	0
	IDOTEA UROTOMA	16	0
MOLLUSCA	CREPIDULA ADUNCA	16	0
	EUBRANCHUS OLIVACEUS	32	0
	GASTROPODA JUVENILE	352	0
	LACUNA CARINATA	192	0
	MITRELLA CARINATA	1280	3
	MITRELLA GOULDI	848	2
	PELECYPODA JUVENILE	32	0
	TURBONILLA VALDEZI	16	0
NATANTIA	CRANGON SPECIES	3	2
	HEPTACARPUS BREVIROSTRIS	2	3
	HEPTACARPUS CARINATUS	16	0
	NATANTIA ZOEA	80	0
OSTRACODA	OSTRACODA SPECIES	112	0
PHOLIDAE	PHOLIDAE SPECIES	16	0
	XERXERPES FUCORUM	2	5

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 9 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	72	10
CALANOIDA	ACARTIA LONGIREMUS	7	0
	CALANUS GLACIALIS	3	0
	EPILABIDOCERA AMPHITRITES	1	0
	EURYTEMORA HIRUNDOIDES	1	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	10	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	4	0
CAPRELLIDEA	CAPRELLIDAE SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	10	0

CLADOCERA	PODON POLYPHEMOIDES	6	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	64	10
	RATHKEA OCTOPUNCTATA	240	80
	TUBULARIA PROLIFER	1	0
COTTIDAE	CLINOCOTTUS ACUTICEPS	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	PONTOGENEIA INERMIS	2	0
	PONTOGENEIA INTERMEDIA	7	0
HARPACTICOIDA	HARPACTICOID SPECIES	14	0
	HARPACTICUS SPECIES	23	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	3	0
	MITRELLA CARINATA	1	0
MYSIDACEAE	ACANTHOMYSIS SPECIES	1	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 125 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	56	10
BRACHYURA	PUGETTIA RICHII	16	40
ISOPODA	PENTIDOTEA RESECTA	16	10
NATANTIA	CRANGON SPECIES	56	20
	HEPTACARPUS BREVIROSTRIS	32	0
	HEPTACARPUS CARINATUS	120	20
	HEPTACARPUS STYLUS	8	0
SYNGNATHIDAE	SYNGNATHUS GRISEOLINEATA	8	0
ZOARCIDAE	ZOARCIDAE SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 25 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	16	0
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA MEGALOPS	56	0
	BRACHYURA ZOEA	140	5
	BRACHYURA ZOEA	32	0
CALANOIDA	ACARTIA LONGIREMUS	20	0
	CALANUS GLACIALIS	8	0
	CENTROPHAGES ABDOMINALIS	2	0
	CENTROPHAGES ABDOMINALIS	24	0
	EURYTEMORA HIRUNDOIDES	26	0
	EURYTEMORA HIRUNDOIDES	7864	20
	METRIDIA PACIFICA	2	0

	METRIDIA PACIFICA	24	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	24	5
	PSEUDOCALANUS MINUTUS	208	0
	SCOLOCITHRICELLA MINOR	10	0
	SCOLOCITHRICELLA MINOR	216	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	46	0
	CYPRIS LARVA	2	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	134	0
	CORYNE TUBULOSA	16	0
	RATHKEA OCTOPUNCTATA	906	90
	RATHKEA OCTOPUNCTATA	16	0
	TUBULARIA PROLIFER	16	0
CUMACEAE	CUMELLA SPECIES	2	0
	DIASTYLOPSIS SPECIES	2	0
	LAMPROPS QUADRIPLICATA	4	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	ALLORCHESTES ANGUSTUS	56	0
	CALLIOPIELLA PRATTI	8	0
	CALLIOPIELLA PRATTI	10816	80
	ISCHYROCERUS ANGUIPES	2	0
	ISCHYROCERUS ANGUIPES	368	0
	PHOTIS BREVIPES	24	0
	PONTOGENEIA INERMIS	6	0
	PONTOGENEIA INERMIS	704	0
	PONTOGENEIA INTERMEDIA	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	32	0
	HARPACTICOID SPECIES	2680	0
	HARPACTICUS SPECIES	76	0
	HARPACTICUS SPECIES	1248	0
	PORCELLIDIUM SARSI	4	0
	PORCELLIDIUM SARSI	208	0
INSECTA	CHIRONIMIDAE ADULT	2	0
ISOPODA	EUSYMMERUS SPECIES	2	0
	GNATHIA SPECIES	16	0
	IDOTEA UROTOMA	16	0
	MUNNA STEPHENSONI	8	0
LARVACEA	OIKOPLEURA DIOICA	98	0
	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	24	0
	GASTROPODA JUVENILE	28	0
	GASTROPODA JUVENILE	144	0
	LACUNA CARINATA	2	0
	LACUNA CARINATA	56	0
	MITRELLA CARINATA	40	0
	MITRELLA GOULDI	72	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	8	0
	ACANTHOMYSIS NEPHROPHTHALMUS	16	0
	ACANTHOMYSIS SCULPTA	8	0
NATANTIA	CRANGON SPECIES	8	0
	NATANTIA ZOEA	2	0
	NATANTIA ZOEA	128	0

POLYCHAETA	NEREIS SPECIES	16	0
	SPIONIDAE SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 63 ML .
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	9936	90
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANUS GLACIALIS	8	0
	EURYTEMORA HIRUNDOIDES	992	0
	PSEUDOCALANUS MINUTUS	32	0
	SCOLOCITHRICELLA MINOR	16	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	8	0
CNIDARIA	BLACKFORDIA SPECIES	96	0
	CORYNE TUBULOSA	304	0
	RATHKEA OCTOPUNCTATA	56	0
	TUBULARIA PROLIFER	8	0
CYCLOPTERIDAE	LIPARIS FLORAE	96	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	456	3
	AOROIDES COLUMBIAE	8	0
	CALLIOPIELLA PRATTI	72	0
	HYALE FREQUENS	8	0
	ISCHYROCERUS ANGUIPES	416	3
	PONTOGENEIA INERMIS	776	3
	PONTOGENEIA INTERMEDIA	112	1
HARPACTICOIDA	HARPACTICOID SPECIES	152	0
	HARPACTICUS SPECIES	72	0
	PORCELLIDIUM SARSI	32	0
ISOPODA	EUSYMMERUS SPECIES	64	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	16	0
	GASTROPODA JUVENILE	16	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	56	0
	ACANTHOMYSIS NEPHROPHTHALMUS	8	0
NATANTIA	NATANTIA ZOEA	144	0
OSTRACODA	OSTRACODA SPECIES	16	0
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 17 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1941	99
	PUGETTIA RICHII	1	0
CALANOIDA	ACARTIA LONGIREMUS	6	0
	CALANUS GLACIALIS	1	0

	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	EUCALANUS BUNGI BUNGI	1	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	12	0
	PSEUDOCALANUS MINUTUS	16	0
	SCOLOCITHRICELLA MINOR	3	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	29	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	14	0
	PODON POLYPHEMOIDES	7	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	3	0
	RATHKEA OCTOPUNCTATA	7	0
	TUBULARIA PROLIFER	5	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	ISCHYROCERUS ANGUIPES	5	0
	PHOTIS BREVIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	1	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	EUSYMMERUS SPECIES	10	0
LARVACEA	OIKOPLEURA DIOICA	100	1
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	26	0
	MITRELLA GOULDI	1	0
	TURBONILLA VALDEZI	1	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	1	0
NATANTIA	NATANTIA ZOEA	23	0
NEMATODA	NEMATODA SPECIES	4	0
OSTRACODA	OSTRACODA SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 108 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	1344	4
	PUGETTIA RICHII	3	4
CALANOIDA	ACARTIA LONGIREMUS	72	0
	CALANOID COPEDID	8	0
	EURYTEMORA HIRUNDOIDES	8	0
	PSEUDOCALANUS MINUTUS	40	0
	SCOLOCITHRICELLA MINOR	16	0
CIRRIPEDIA	BARNACLE NAUPLII	456	0
	CYPRIS LARVA	8	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	144	0

	CORYNE TUBULOSA	1856	36
	RATHKEA OCTOPUNCTATA	872	27
COTTIDAE	BLEPSIAS CIRRHOSUS	1	1
	COTTID SPECIES	.	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1144	8
	HYALE FREQUENS	24	0
	ISCHYROCERUS ANGUIPES	144	0
	LAETMATOPHILUS (PHOTIS) SPECIES	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	560	2
	HARPACTICUS SPECIES	848	3
	PORCELLIDIUM SARSI	104	0
ISOPODA	GNATHIA SPECIES	8	0
	IDOTEA OCHOTENSIS	8	10
	PENTIDOTEA RESECTA	1	2
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	72	0
	MITRELLA CARINATA	192	0
	MITRELLA GOULDI	48	0
NATANTIA	CRANGON SPECIES	2	1
	HEPTACARPUS BREVIROSTRIS	1	1
	HEPTACARPUS CARINATUS	2	1
	NATANTIA ZOEA	88	0
OSTRACODA	OSTRACODA SPECIES	16	0
POLYCHAETA	NEREIS SPECIES	8	0
	SPIONIDAE SPECIES	8	0

LOCATION - AIRM YEAR - 1981 MONTH - 5 DAY - 31 SAMPLE VOLUME - 23 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	34	0
	PUGETTIA RICHII	.	0
CALANOIDA	ACARTIA LONGIREMUS	50	0
	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	4	0
	CALANOID NAUPLII	10	0
	CENTROPHAGES ABDOMINALIS	4	0
	EURYTEMORA HIRUNDOIDES	8	0
	METRIDIA PACIFICA	8	0
	SCOLOCITHRICELLA MINOR	10	0
CIRRIPEDIA	BARNACLE NAUPLII	198	10
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	14	0
CNIDARIA	BLACKFORDIA SPECIES	34	0
	CORYNE TUBULOSA	74	0
	RATHKEA OCTOPUNCTATA	930	70

CYCLOPOIDA	OITHONA SPINIROSTRIS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	42	5
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	3
	PONTOGENEIA INERMIS	14	2
HARPACTICOIDA	HARPACTICOID SPECIES	14	0
	HARPACTICUS SPECIES	62	0
LARVACEA	OIKOPLEURA DIOICA	232	10
NATANTIA	NATANTIA ZOEA	6	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 35 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	92	0
CALANOIDA	ACARTIA LONGIREMUS	70	0
	CALANOID NAUPLII	6	0
	CALANUS GLACIALIS	2	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	2	0
CIRRIPEDIA	BARNACLE NAUPLII	128	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	10	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	62	0
	CORYNE TUBULOSA	62	0
	RATHKEA OCTOPUNCTATA	2704	90
GAMMARIDEA	CALLIOPIELLA PRATTI	64	3
	ISCHYROCERUS ANGUIPES	22	0
	ODIUS SPECIES (CARANATA GROUP)	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	76	3
	PLEUSTES SPECIES GROUP D	2	0
	PONTOGENEIA INERMIS	52	3
HARPACTICOIDA	HARPACTICOID SPECIES	20	0
	HARPACTICUS SPECIES	176	1
	PORCELLIDIUM SARSI	2	0
ISOPODA	IDOTEA OCHOTENSIS	2	0
	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	52	0
MOLLUSCA	GASTROPODA JUVENILE	14	0
	LACUNA CARINATA	6	0
NATANTIA	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 29 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURID MEGALOPS	1	6
	PAGURUS CAURINUS	1	3
ASTEROIDEA	ASTEROIDIDEA SPECIES	2	0
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	1802	35
	OREGONIA GRACILIS	1	12
	PUGETTIA RICHII	1	9
CALANOIDA	ACARTIA LONGIREMUS	24	0
	AETEDIUS ARMATUS	2	0
	CENTROPHAGES ABDOMINALIS	6	0
	EURYTEMORA HIRUNDOIDES	390	7
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	114	2
	SCOLOCITHRICELLA MINOR	102	1
	TORTANUS DISCAUDATUS	10	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	612	7
	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	18	0
	RATHKEA OCTOPUNCTATA	16	0
COTTIDAE	COTTID SPECIES	2	0
CYCLOPTERIDAE	LIPARIS SPECIES	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	36	1
	HYALE FREQUENS	6	1
	ISCHYROCERUS ANGUIPES	248	7
	LAETMATOPHILUS (PHOTIS) SPECIES	4	1
	PLEUSTES SPECIES (PANOPLA) GROUP A	94	3
	PONTOGENEIA INERMIS	24	1
HARPACTICOIDA	HARPACTICOID SPECIES	42	0
	HARPACTICUS SPECIES	78	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	GNATHIA SPECIES	2	0
	IDOTEA UROTOMA	2	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	60	0
MOLLUSCA	GASTROPODA JUVENILE	62	0
	LACUNA CARINATA	14	0
	MITRELLA GOULDI	4	0
	PELECYPODA JUVENILE	2	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	6	0
	ACANTHOMYSIS PSEUDOMACROPSIS	4	0
	MYSIS OCULATA	2	0
NATANTIA	NATANTIA ZOEA	248	4
NEMERTEA	NEMERTEA SPECIES	4	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	NEREIS SPECIES	2	0
	SPIONIDAE SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 8 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	74	10
CALANOIDA	ACARTIA LONGIREMUS	59	10
	AETEDIUS ARMATUS	1	0
	CALANOID NAUPLII	19	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	9	0
	EURYTEMORA HIRUNDOIDES	275	50
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	16	5
	SCOLOCITHRICELLA MINOR	18	5
	TORTANUS DISCAUDATUS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	21	0
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	19	0
CNIDARIA	CORYNE TUBULOSA	3	0
	RATHKEA OCTOPUNCTATA	6	0
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	LAETMATOPHILUS (PHOTIS) SPECIES	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	5	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	31	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	IANIROPSIS TRIDENS	1	0
	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	167	20
MOLLUSCA	GASTROPODA JUVENILE	21	0
	LACUNA CARINATA	1	0
	MITRELLA GOULDI	3	0
NATANTIA	NATANTIA ZOEA	13	0
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	SPIONIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 160 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	432	0
CALANOIDA	ACARTIA LONGIREMUS	480	0
	CALANUS GLACIALIS	80	0
	EURYTEMORA HIRUNDOIDES	4880	30

	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	224	0
	SCOLOCITHRICELLA MINOR	576	0
CIRRIPEDIA	BARNACLE NAUPLII	96	0
	CYPRIS LARVA	192	0
CNIDARIA	CORYNE TUBULOSA	352	0
	RATHKEA OCTOPUNCTATA	304	0
CUMACEAE	LAMPROPS QUADRIPLICATA	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4080	20
	ISCHYROCERUS ANGUIPES	272	0
	PONTOGENEIA INERMIS	272	0
HARPACTICOIDA	HARPACTICOID SPECIES	18160	30
	HARPACTICUS SPECIES	6368	10
	PORCELLIDIUM SARSI	400	0
ISOPODA	GNATHIA SPECIES	48	0
	GNORIMOSPHAEROMA OREGONENSIS	16	0
	IDOTEA UROTOMA	32	0
	MUNNA STEPHENSONI	32	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	48	0
	GASTROPODA JUVENILE	3792	10
	LACUNA CARINATA	112	0
	MITRELLA CARINATA	192	0
	MITRELLA GOULDI	64	0
NATANTIA	NATANTIA ZOEA	240	0
NEMERTEA	NEMERTEA SPECIES	16	0
OSTRACODA	OSTRACODA SPECIES	48	0
POLYCHAETA	NEREIS SPECIES	16	0
	POLYCHAETA SPECIES	32	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 205 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	128	0
CALANOIDA	ACARTIA LONGIREMUS	64	0
	CALANUS GLACIALIS	16	0
	EURYTEMORA HIRUNDOIDES	48	0
	PARACALANUS PARVIS	16	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	48	0
	CYPRIS LARVA	480	0
CNIDARIA	CORYNE TUBULOSA	112	0
	RATHKEA OCTOPUNCTATA	26064	99
GAMMARIDEA	CALLIOPIELLA PRATTI	128	0
	ISCHYROCERUS ANGUIPES	16	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	0
	PONTOGENEIA INERMIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	80	0
	HARPACTICUS SPECIES	400	0
	PORCELLIDIUM SARSI	112	0

MOLLUSCA	LACUNA CARINATA	1024	1
	MITRELLA CARINATA	64	0
	MITRELLA GOULDI	224	0
NATANTIA	NATANTIA ZOEA	16	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 50 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	564	5
	PUGETTIA RICHII	1	3
CALANOIDA	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	4	0
	PSEUDOCALANUS MINUTUS	100	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	100	0
	CYPRIS LARVA	52	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	32	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	CORYNE TUBULOSA	140	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	5196	60
GAMMARIDEA	HYALE FREQUENS	12	0
	ODIUS SPECIES (CARANATA GROUP)	4	0
	PARAPHOXIS SPECIES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	20	1
	PROTOMEDIA SPECIES	116	4
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	6	1
HARPACTICOIDA	HARPACTICOID SPECIES	228	0
	HARPACTICUS SPECIES	80	0
HEXAGRAMMIDAE	HEXAGRAMMOS SPECIES	1	1
ISOPODA	IDOTEA RUFESCENS	16	0
	MUNNA STEPHENSONI	4	0
	PENTIDOTEA RESECTA	4	3
LARVACEA	OIKOPLEURA DIOICA	40	0
MOLLUSCA	GASTROPODA JUVENILE	36	0
	LACUNA CARINATA	8	0
NATANTIA	HEPTACARPUS CARINATUS	1	2
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	24	0
PHOLIDAE	APODICHTHYS FLAVIDUS	1	20
POLYCHAETA	NEREIS SPECIES	4	0
	SPIONIDAE SPECIES	8	0
SCORPAENIDAE	SEBASTES SPECIES	1	2

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 75 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	336	0
CALANOIDA	ACARTIA LONGIREMUS	80	0
	EUCALANUS BUNGI BUNGI	8	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	88	0
	TORTANUS DISCAUDATUS	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CHAETOGNATHA	SAGITTA SPECIES	160	0
CIRRIPEDIA	BARNACLE NAUPLII	96	0
	CYPRIS LARVA	272	0
CLADOCERA	PODON POLYPHEMOIDES	24	0
CNIDARIA	CORYNE TUBULOSA	64	0
	RATHKEA OCTOPUNCTATA	13088	99
GAMMARIDEA	HYALE FREQUENS	8	0
	ISCHYROCERUS ANGUIPES	56	0
HARPACTICOIDA	HARPACTICOID SPECIES	288	1
	HARPACTICUS SPECIES	72	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	GNATHIA SPECIES	8	0
	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	8	0
	MUNNA STEPHENSONI	8	0
LARVACEA	OIKOPLEURA DIOICA	72	0
MOLLUSCA	GASTROPODA JUVENILE	160	0
	LACUNA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	48	0
POLYCHAETA	SPIONIDAE SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 70 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	300	1
CALANOIDA	ACARTIA LONGIREMUS	52	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	24	0
	PSEUDOCALANUS MINUTUS	20	0
	SCOLOCITHRICELLA MINOR	8	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	296	0
CNIDARIA	CORYNE TUBULOSA	108	0
	RATHKEA OCTOPUNCTATA	16052	99
CYCLOPOIDA	OITHONA SPINIROSTRIS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	20	0

	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	24	0
	HARPACTICUS SPECIES	40	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	48	0
MOLLUSCA	GASTROPODA JUVENILE	264	0
	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	60	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 21 SAMPLE VOLUME = 160 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS SETOSUS	1	10
BRACHYURA	PUGETTIA RICHII	5	50
COTTIDAE	OLIGOCOTTUS MACULOSUS	1	5
MOLLUSCA	DIRONA ALBOLINEATA	1	5
NATANTIA	CRANGON SPECIES	3	30
	HEPTACARPUS BREVIROSTRIS	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 42 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	4	0
BRACHYURA	BRACHYURA ZOEA	1292	20
CALANOIDA	ACARTIA LONGIREMUS	12	0
	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	164	5
	CENTROPHAGES ABDOMINALIS	24	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	112	3
	SCOLOCITHRICELLA MINOR	100	2
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	20	0
	CYPRIS LARVA	8	0
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	132	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	2356	70
	TUBULARIA CHRISTINAE	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CYCLOPTERIDAE	LIPARIS SPECIES	40	0
FISH	FISH EGGS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	20	0

	ISCHYROCERUS ANGUIPES	68	0
	PARAPLEUSTES PUGETTENSIS	60	0
	PLEUSIRUS SECORRUS	40	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	152	0
	HARPACTICUS SPECIES	148	0
	PORCELLIDIUM SARSI	16	0
ISOPODA	EUSYMMERUS SPECIES	4	0
	IDOTEA RUFESCENS	4	0
	PENTIDOTEA RESECTA	4	0
LARVACEA	OIKOPLEURA DIOICA	240	0
MOLLUSCA	LACUNA MARMORATA	4	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	8	0
	ACANTHOMYSIS SCULPTA	4	0
NATANTIA	HEPTACARPUS CARINATUS	12	0
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	364	0
OSTRACODA	OSTRACODA SPECIES	20	0
POLYCHAETA	NEREIS SPECIES	4	0
	PHYLLODOCE SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 42 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	408	20
CALANOIDA	ACARTIA LONGIREMUS	50	3
	CALANOID COPEDID	4	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	26	2
	CENTROPHAGES ABDOMINALIS	20	0
	PSEUDOCALANUS MINUTUS	86	5
	SCOLOCITHRICELLA MINOR	10	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	CYPRIS LARVA	12	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	14	0
	CORYNE TUBULOSA	96	0
	OBELIA LONGISSIMA	14	0
	PERIGONIMUS YOLDIA-ARCTICA	2	0
	RATHKEA OCTOPUNCTATA	1796	70
	SOLMISSUS MARSHALLI	2	0
FISH	FISH EGGS	46	0
	FISH LARVAE	2	0
GAMMARIDEA	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	32	0

NATANTIA	NATANTIA ZOEA	74	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 160 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	10
	BRACHYURA ZOEA	6016	0
	PUGETTIA RICHII	1	5
CALANOIDA	ACARTIA LONGIREMUS	32	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	528	0
	CENTROPHAGES ABDOMINALIS	112	0
	EUCALANUS BUNGI BUNGI	16	0
	PSEUDOCALANUS MINUTUS	1472	0
	SCOLOCITHRICELLA MINOR	320	0
CIRRIPEDIA	BARNACLE NAUPLII	208	0
	CYPRIS LARVA	112	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	112	0
	CORYNE TUBULOSA	2592	0
	OBELIA LONGISSIMA	16	0
	RATHKEA OCTOPUNCTATA	16096	85
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
FISH	FISH EGGS	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	16	0
	HYALE FREQUENS	32	0
	PARAPLEUSTES PUGETTENSIS	64	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	16	0
	PONTOGENEIA INERMIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	320	0
	HARPACTICUS SPECIES	288	0
ISOPODA	IDOTEA RUFESCENS	16	0
	PENTIDOTEA RESECTA	16	0
LARVACEA	OIKOPLEURA DIOICA	384	0
MOLLUSCA	GASTROPODA JUVENILE	96	0
	LACUNA CARINATA	48	0
NATANTIA	HIPPOLYTE CLARKI	32	0
	NATANTIA ZOEA	272	0
	PANDALUS DANAE	32	0
POLYCHAETA	SPIONIDAE SPECIES	16	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 20 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	1134	30
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANOID COPEDID	2	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	66	0
	CENTROPHAGES ABDOMINALIS	14	0
	EUCALANUS BUNGI BUNGI	2	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	46	0
	SCOLOCITHRICELLA MINOR	26	0
	TORTANUS DISCAUDATUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
	CYPRIS LARVA	20	0
CLADOCERA	PODON POLYPHEMOIDES	6	0
CNIDARIA	AGLANTHA DIGITALE	6	0
	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	72	0
	RATHKEA OCTOPUNCTATA	1416	70
FISH	FISH EGGS	32	0
	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	26	0
	ISCHYROCERUS ANGUIPES	8	0
	PHOTIS BREVIPES	2	0
	PLEUSIRUS SECORRUS	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	6	0
	PONTOGENEIA IVANOVI	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	78	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	IDOTEA RUFESCENS	8	0
LARVACEA	OIKOPLEURA DIOICA	26	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	LACUNA CARINATA	2	0
	MITRELLA GOULDI	2	0
NATANTIA	NATANTIA ZOEA	124	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 65 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	155	35
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	2	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	1180	10
	PUGETTIA RICHII	8	10
CALANOIDA	ACARTIA LONGIREMUS	60	0
	CALANUS GLACIALIS	16	0
	CENTROPHAGES ABDOMINALIS	16	0
	PSEUDOCALANUS MINUTUS	192	0
	SCOLOCITHRICELLA MINOR	24	0
	TORTANUS DISCAUDATUS	28	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	4	0
	CLUPEID EGGS	80	0
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	28	1
	OBELIA LONGISSIMA	12	0
	RATHKEA OCTOPUNCTATA	72	2
CUMACEAE	DIASTYLOPSIS SPECIES	24	0
	LAMPROPS QUADRIPLICATA	80	0
CYCLOPTERIDAE	LIPARIS SPECIES	8	0
FISH	FISH EGGS	16	0
	FISH LARVAE	12	0
GAMMARIDEA	CALLIOPIELLA PRATTI	620	10
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	204	5
	LAETMATOPHILUS (PHOTIS) SPECIES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	40	2
	PONTOGENEIA INERMIS	176	5
	SYNCHELIDIUM SHOEMAKERI	52	2
HARPACTICOIDA	HARPACTICOID SPECIES	1808	3
	HARPACTICUS SPECIES	1856	3
	PORCELLIDIUM SARSI	44	0
HOLOTHUROIDEA	HOLOTHUROIDEA SPECIES	4	0
ISOPODA	GNATHIA SPECIES	8	0
	IDOTEA RUFESCENS	24	0
	IDOTEA UROTOMA	20	0
	PENTIDOTEA RESECTA	5	2
MOLLUSCA	GASTROPODA JUVENILE	24	0
	LACUNA CARINATA	112	2
	MARGARITES PUPILLIS	1	0
	MITRELLA CARINATA	64	1
	MITRELLA GOULDI	8	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	8	0
	ACANTHOMYSIS NEPHROPHTHALMUS	4	0
NATANTIA	CRANGON SPECIES	44	1

	HEPTACARPUS BREVIROSTRIS	8	0
	HIPPOLYTE CLARKI	88	1
	NATANTIA ZOEA	308	2
	PANDALUS DANAE	3	3
NEMATODA	NEMATODA SPECIES	12	0
POLYCHAETA	NEREIS SPECIES	4	0
	POLYNOIDA SPECIES	4	0
	SPIONIDAE SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 14 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	270	21
CALANOIDA	ACARTIA LONGIREMUS	63	3
	CALANUS GLACIALIS	44	3
	CENTROPHAGES ABDOMINALIS	19	0
	EPILABIDOCERA AMPHITRITES	5	0
	METRIDIA PACIFICA	2	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	46	3
	SCOLOCITHRICELLA MINOR	20	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0
CIRRIPEDIA	BARNACLE NAUPLII	21	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	7	0
	PODON POLYPHEMOIDES	51	0
CNIDARIA	AGLANTHA DIGITALE	3	0
	BLACKFORDIA SPECIES	5	0
	CORYNE TUBULOSA	40	0
	OBELIA LONGISSIMA	31	0
	RATHKEA OCTOPUNCTATA	428	60
CTENOPHORA	PLEUROBRANCHIA BACHEI	15	0
CYCLOPTERIDAE	LIPARIS SPECIES	1	0
FISH	FISH EGGS	156	10
	FISH LARVAE	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	FOXIPHALUS SIMILIS	1	0
	ISCHYROCERUS ANGUIPES	1	0
	PHOTIS BREVIPES	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	20	0
	HARPACTICUS SPECIES	18	0
	PORCELLIDIUM SARSI	5	0
INSECTA	CHIRONOMIDAE PUPA	2	0
ISOPODA	IDOTEA RUFESCENS	12	0
	IDOTEA UROTOMA	7	0
LARVACEA	OIKOPLEURA DIOICA	120	0
MOLLUSCA	GASTROPODA JUVENILE	15	0

	LACUNA CARINATA	22	0
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	53	0
PHOLIDAE	PHOLIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 25 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	684	15
	PUGETTIA RICHII	1	5
CALANOIDA	ACARTIA LONGIREMUS	58	2
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	86	2
	CENTROPHAGES ABDOMINALIS	44	1
	EPILABIDOCERA AMPHITRITES	2	0
	EUCALANUS BUNGI BUNGI	2	0
	MICROCALANUS PYGMAEUS	4	0
	PSEUDOCALANUS MINUTUS	194	3
	SCOLOCITHRICELLA MINOR	62	2
	TORTANUS DISCAUDATUS	36	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	10	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	22	0
	CORYNE TUBULOSA	62	9
	EUPHYSA TENTACULATA	12	0
	OBELIA LONGISSIMA	46	9
	RATHKEA OCTOPUNCTATA	174	47
CTENOPHORA	PLEUROBRANCHIA BACHEI	22	0
CUMACEAE	DIASTYLOPSIS SPECIES	2	0
	LAMPROPS QUADRIPLICATA	2	0
FISH	FISH EGGS	32	0
GAMMARIDEA	CALLIOPIELLA PRATTI	54	5
	HYALE FREQUENS	6	0
	ISCHYROCERUS ANGUIPES	2	0
	PARAPLEUSTES PUGETTENSIS	10	0
HARPACTICOIDA	HARPACTICOID SPECIES	54	0
	HARPACTICUS SPECIES	108	0
	PORCELLIDIUM SARSI	2	0
ISOPODA	GNATHIA SPECIES	2	0
	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	44	0
MOLLUSCA	GASTROPODA JUVENILE	54	0
	LACUNA CARINATA	22	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
NATANTIA	NATANTIA ZOEA	188	0
PHOLIDAE	PHOLIDAE SPECIES	2	0
PHORONOMID	PHORONID LARVAE	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 34 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	1244	0
CALANOIDA	ACARTIA LONGIREMUS	168	0
	CALANUS GLACIALIS	208	0
	CENTROPHAGES ABDOMINALIS	116	0
	EPILABIDOCERA AMPHITRITES	36	0
	MICROCALANUS PYGMAEUS	48	0
	PSEUDOCALANUS MINUTUS	2676	37
	SCOLOCITHRICELLA MINOR	112	0
	TORTANUS DISCAUDATUS	112	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	36	0
CIRRIPEDIA	BARNACLE NAUPLII	60	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	128	5
CNIDARIA	AGLANTHA DIGITALE	16	0
	BLACKFORDIA SPECIES	204	5
	CORYNE TUBULOSA	124	5
	OBELIA LONGISSIMA	40	0
	RATHKEA OCTOPUNCTATA	532	15
COTTIDAE	COTTID SPECIES	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	288	5
FISH	FISH EGGS	192	0
	FISH LARVAE	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	48	0
NATANTIA	NATANTIA ZOEA	2212	28
PHOLIDAE	PHOLIDAE SPECIES	8	0
PHORONOMID	PHORONID LARVAE	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 24 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	92	0
	PUGETTIA RICHII	8	10
CALANOIDA	ACARTIA LONGIREMUS	64	5
	CALANUS GLACIALIS	36	4
	CENTROPHAGES ABDOMINALIS	48	4
	EPILABIDOCERA AMPHITRITES	2	0

	PSEUDOCALANUS MINUTUS	48	5
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	24	4
CIRRIPEDIA	BARNACLE NAUPLII	16	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	48	0
CNIDARIA	CORYNE TUBULOSA	12	0
	OBELIA LONGISSIMA	100	9
	RATHKEA OCTOPUNCTATA	272	50
CTENOPHORA	PLEUROBRANCHIA BACHEI	42	9
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	26	0
MOLLUSCA	DIRONA ALBOLINEATA	2	0
	GALEOMATACEAE (SUPERFAMILY)	2	0
	GASTROPODA JUVENILE	22	0
	LACUNA CARINATA	10	0
	LACUNA MARMORATA	4	0
	MITRELLA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	30	0

LOCATION - AIRM YEAR - 1981 MONTH - 7 DAY - 13 SAMPLE VOLUME - 130 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA SPECIES	8	0
	PAGURUS CAURINUS	2	2
	PAGURUS GRANOSIMANUS	2	2
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	1	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	848	7
	PUGETTIA RICHII	7	20
	SCYRA ACUTIFRONS	1	3
CALANOIDA	CENTROPHAGES ABDOMINALIS	16	0
	PSEUDOCALANUS MINUTUS	24	0
	SCOLOCITHRICELLA MINOR	8	0
CLADOCERA	PODON POLYPHEMOIDES	24	0
CNIDARIA	CORYNE TUBULOSA	40	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	16	0
COTTIDAE	OLIGOCOTTUS MACULOSUS	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2792	21
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	56	0
	PONTOGENEIA INERMIS	320	0
HARPACTICOIDA	HARPACTICOID SPECIES	472	0
	HARPACTICUS SPECIES	576	0
	PORCELLIDIUM SARSI	120	0
ISOPODA	GNATHIA SPECIES	24	0
	IDOTEA OCHOTENSIS	1	0

	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	40	0
MOLLUSCA	GASTROPODA JUVENILE	104	0
	LACUNA CARINATA	264	7
	MITRELLA CARINATA	280	7
	MITRELLA GOULDI	168	7
	TURBONILLA VALDEZI	8	0
MYSIDACEAE	ACANTHOMYSIS SCULPTA	40	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	16	10
	HEPTACARPUS CARINATUS	136	14
	HEPTACARPUS STYLUS	8	0
	NATANTIA ZOEA	128	0
OSTRACODA	OSTRACODA SPECIES	24	0
POLYCHAETA	NEREIS SPECIES	8	0
TANAIDACEA	ANATANAIS NORMANI	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 25 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	44	20
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANUS GLACIALIS	2	0
	PSEUDOCALANUS MINUTUS	22	5
	SCOLOCITHRICELLA MINOR	2	0
CALICOIDA	CALIGUS SPECIES	8	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	140	60
	RATHKEA OCTOPUNCTATA	22	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FISH	FISH EGGS	32	5
	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	14	0
	ISCHYROCERUS ANGUIPES	2	0
	ISCHYROCERUS SPECIES	2	0
	ORCHESTOIDEA SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
INSECTA	CHIRONOMIDAE LARVAE	38	10
ISOPODA	IDOTEA RUFESCENS	6	0
	IDOTEA UROTOMA	2	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	4	0
	MELIBE LEONINA	2	0
NATANTIA	NATANTIA ZOEA	12	0
OSTRACODA	OSTRACODA SPECIES	12	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 40 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1476	10
CALANOIDA	ACARTIA LONGIREMUS	20	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	12	0
	CENTROPHAGES ABDOMINALIS	4	0
	PSEUDOCALANUS MINUTUS	168	0
	SCOLOCITHRICELLA MINOR	32	0
	TORTANUS DISCAUDATUS	12	0
CALICOIDA	CALIGUS SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	EVADNE NORMANI	28	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	52	0
	CORYNE TUBULOSA	392	20
	EUPHYSA TENTACULATA	392	20
	OBELIA LONGISSIMA	68	0
	RATHKEA OCTOPUNCTATA	68	0
	TUBULARIA PROLIFER	20	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	504	20
FISH	FISH EGGS	52	0
	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	84	0
	LACUNA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	2880	30
POLYCHAETA	AUTOLYTUS SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 4 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	253	50
CALANOIDA	ACARTIA LONGIREMUS	8	0
	CALANOID COPEDID	1	0
	CENTROPHAGES ABDOMINALIS	5	0
	PSEUDOCALANUS MINUTUS	6	0
	SCOLOCITHRICELLA MINOR	1	0
CALICOIDA	CALIGUS SPECIES	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CLADOCERA	EVADNE NORMANI	13	0
	PODON POLYPHEMOIDES	1	0

CNIDARIA	BLACKFORDIA SPECIES	6	0
	CORYNE TUBULOSA	38	0
	RATHKEA OCTOPUNCTATA	2	0
	TUBULARIA PROLIFER	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	7	0
FISH	FISH EGGS	65	0
GAMMARIDEA	CALLIOPIELLA PRATTI	5	0
	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
INSECTA	CHIRONOMIDAE LARVAE	1	0
ISOPODA	IDOTEA RUFESCENS	2	0
	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	33	0
MOLLUSCA	GASTROPODA JUVENILE	21	0
	MARGARITES PUPILLIS	1	0
	MITRELLA CARINATA	4	0
	MITRELLA GOULDI	8	0
NATANTIA	NATANTIA ZOEA	262	50
OSTRACODA	OSTRACODA SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 17 SAMPLE VOLUME = 130 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2840	20
CIRRIPEDIA	BARNACLE NAUPLII	112	0
CLADOCERA	EVADNE NORMANI	8	0
CNIDARIA	BLACKFORDIA SPECIES	32	0
	CORYNE TUBULOSA	856	30
	EUPHYSA TENTACULATA	696	20
	OBELIA LONGISSIMA	32	0
	RATHKEA OCTOPUNCTATA	968	30
CTENOPHORA	PLEUROBRANCHIA BACHEI	24	0
FISH	FISH EGGS	24	0
GAMMARIDEA	CALLIOPIELLA PRATTI	152	0
HARPACTICOIDA	HARPACTICUS SPECIES	32	0
ISOPODA	IDOTEA RUFESCENS	16	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	DIRONA ALBOLINEATA	8	0
	GASTROPODA JUVENILE	128	0
	LACUNA CARINATA	144	0
	MITRELLA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	56	0
OSTRACODA	OSTRACODA SPECIES	16	0
POLYCHAETA	POLYCHAETA SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 17 SAMPLE VOLUME = 12 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	321	70
CALANOIDA	CALANOID NAUPLII	1	0
CALICOIDA	CALIGUS SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	34	0
CLADOCERA	EVADNE NORMANI	13	0
	PODON POLYPHEMOIDES	3	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	13	5
	EUPHYSA TENTACULATA	16	9
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	12	6
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	0
FISH	FISH EGGS	58	0
	FISH LARVAE	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	2	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	19	0
MOLLUSCA	GASTROPODA JUVENILE	37	0
	LACUNA CARINATA	17	5
	MITRELLA CARINATA	7	5
NATANTIA	NATANTIA ZOEA	11	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 17 SAMPLE VOLUME = 95 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	33296	90
CALANOIDA	ACARTIA LONGIREMUS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	152	0
CLADOCERA	EVADNE NORMANI	64	0
CNIDARIA	CORYNE TUBULOSA	80	1
	EUPHYSA TENTACULATA	248	3
	RATHKEA OCTOPUNCTATA	136	1
CTENOPHORA	PLEUROBRANCHIA BACHEI	144	0
FISH	FISH EGGS	96	0
	FISH LARVAE	8	0

HARPACTICOIDA	HARPACTICOID SPECIES	16	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	48	0
NATANTIA	NATANTIA ZOEA	2544	5
POLYCHAETA	SPIONIDAE SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 18 SAMPLE VOLUME = 120 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	66	1
	PUGETTIA RICHII	19	80
CALANOIDA	ACARTIA LONGIREMUS	4	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	8	0
CALICOIDA	CALIGUS SPECIES	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
	CAPRELLA LEVIUSCULA	4	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	4	0.
CNIDARIA	CORYNE TUBULOSA	2	0
	EUPHYSA TENTACULATA	6	0
	RATHKEA OCTOPUNCTATA	6	0
CYCLOPTERIDAE	LIPARIS SPECIES	2	0
FISH	FISH EGGS	8	0
	FISH LARVAE	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	220	6
	ISCHYROCERUS ANGUIPES	104	2
	PLEUSIRUS SECORRUS	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PLEUSTES SPECIES GROUP D	2	0
	PONTOGENEIA INERMIS	78	1
HARPACTICOIDA	HARPACTICOID SPECIES	30	0
	HARPACTICUS SPECIES	302	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	40	0
NATANTIA	HIPPOLYTE CLARKI	1	1
	NATANTIA ZOEA	8	0
OSTRACODA	OSTRACODA SPECIES	12	0
TANAIDACEA	ANATANAIS NORMANI	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 24 SAMPLE VOLUME = 75 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	632	10
CALANOIDA	CALANOID COPEDID	4	0
	CENTROPHAGES ABDOMINALIS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	260	0
	CYPRIS LARVA	8	0
CLADOCERA	EVADNE NORMANI	8	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	872	90
	OBELIA LONGISSIMA	28	0
	RATHKEA OCTOPUNCTATA	124	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	0
FISH	FISH EGGS	8	0
	FISH LARVAE	4	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	20	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	36	0
NATANTIA	NATANTIA ZOEA	8	0
POLYCHAETA	SPIONIDAE SPECIES	16	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 49 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	2796	35
	PUGETTIA RICHII	2	28
CALANOIDA	ACARTIA LONGIREMUS	12	0
	CALANOID NAUPLII	8	0
	CENTROPHAGES ABDOMINALIS	32	0
CIRRIPEDIA	BARNACLE NAUPLII	1864	14
	CYPRIS LARVA	24	0
CLADOCERA	EVADNE NORMANI	20	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	32	0
	EUPHYSA TENTACULATA	760	21
	OBELIA LONGISSIMA	28	0
	RATHKEA OCTOPUNCTATA	48	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	0
FISH	FISH EGGS	20	0
GAMMARIDEA	CALLIOPIELLA PRATTI	300	0
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0

	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	80	0
	HARPACTICUS SPECIES	68	0
INSECTA	CHIRONOMIDAE LARVAE	12	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	104	0
	MITRELLA CARINATA	1	2
	PELECYPODA JUVENILE	4	0
NATANTIA	HIPPOLYTE CLARKI	144	0
	NATANTIA ZOEA	32	0
POLYCHAETA	SPIONIDAE SPECIES	8	0

LOCATION = AIRM YEAR = [illegible]81 MONTH = 7 DAY = 29 SAMPLE VOLUME = 12 ML
AT THE SUR[illegible] LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ACARI	ACARI SPECIES	1	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	53	0
BRYOZOA	CYPHONAUTES LARVA	4	0
CALANOIDA	ACARTIA LONGIREMUS	63	5
	CALANOID COPEDID	149	10
	CALANOID NAUPLII	74	0
	CALANUS GLACIALIS	6	0
	CENTROPHAGES ABDOMINALIS	6	0
	MICROCALANUS PYGMAEUS	18	0
	PSEUDOCALANUS MINUTUS	1	0
	SCOLOCITHRICELLA MINOR	7	0
CALICOIDA	CALIGUS SPECIES	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	1359	50
	CYPRIS LARVA	14	0
CLADOCERA	EVADNE NORMANI	215	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	CORYNE TUBULOSA	3	0
	EUPHYSA TENTACULATA	36	10
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
FISH	FISH LARVAE	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	7	0
	HARPACTICUS SPECIES	3	0
ISOPODA	IDOTEA RUFESCENS	2	0
	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	680	20
MOLLUSCA	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	83	0
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	SPIONIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 21 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	276	0
CALANOIDA	ACARTIA LONGIREMUS	60	0
	CALANOID COPEDID	146	0
	CALANOID NAUPLII	20	0
	CALANUS GLACIALIS	14	0
	CENTROPHAGES ABDOMINALIS	30	0
	MICROCALANUS PYGMAEUS	36	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	56	0
	SCOLOCITHRICELLA MINOR	38	0
	TORTANUS DISCAUDATUS	16	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	5780	80
	CYPRIS LARVA	30	0
CLADOCERA	EVADNE NORMANI	54	0
	PODON POLYPHEMOIDES	10	0
CNIDARIA	BLACKFORDIA SPECIES	20	0
	CORYNE TUBULOSA	26	0
	EUPHYSA TENTACULATA	846	20
	OBELIA LONGISSIMA	18	0
	RATHKEA OCTOPUNCTATA	22	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	112	0
FISH	FISH LARVAE	6	0
GAMMARIDEA	AOROIDES COLUMBIAE	2	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	18	0
	HARPACTICUS SPECIES	36	0
LARVACEA	OIKOPLEURA DIOICA	152	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
NATANTIA	NATANTIA ZOEA	1036	0
POLYCHAETA	SPIONIDAE SPECIES	4	0

LOCATION = AIRM YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 220 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	3
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	352	0
	BRACHYURA ZOEA	66112	99
CALANOIDA	ACARTIA LONGIREMUS	32	0
	ACARTIA LONGIREMUS	224	0
	CALANOID COPEDID	96	0

	CALANUS GLACIALIS	320	0
	CENTROPHAGES ABDOMINALIS	1344	0
	EPILABIDOCERA AMPHITRITES	32	0
	EPILABIDOCERA AMPHITRITES	288	0
	MICROCALANUS PYGMAEUS	224	0
	PSEUDOCALANUS MINUTUS	320	0
	SCOLOCITHRICELLA MINOR	32	0
	SCOLOCITHRICELLA MINOR	96	0
	TORTANUS DISCAUDATUS	32	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
CIRRIPEDIA	BARNACLE NAUPLII	128	0
	BARNACLE NAUPLII	224	0
	CYPRIS LARVA	320	0
	CYPRIS LARVA	224	0
CLADOCERA	EVADNE NORMANI	160	0
	EVADNE NORMANI	480	0
	PODON POLYPHEMOIDES	64	0
	PODON POLYPHEMOIDES	864	0
CNIDARIA	CORYNE TUBULOSA	1216	0
	OBELIA LONGISSIMA	64	0
	RATHKEA OCTOPUNCTATA	32	0
	RATHKEA OCTOPUNCTATA	64	0
COTTIDAE	OLIGOCOTTUS SPECIES	1	1
CTENOPHORA	PLEUROBRANCHIA BACHEI	192	0
CUMACEAE	CUMELLA SPECIES	32	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	32	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	32	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	96	0
	ALLORCHESTES ANGUSTUS	96	0
	CALLIOPIELLA PRATTI	10304	45
	CALLIOPIELLA PRATTI	1504	0
	HYALE FREQUENS	224	0
	ISCHYROCERUS ANGUIPES	352	0
	ISCHYROCERUS ANGUIPES	224	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	32	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	64	0
	PONTOGENEIA INERMIS	384	0
	PONTOGENEIA INTERMEDIA	320	0
	SYNCHELIDIUM SHOEMAKERI	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	32032	18
	HARPACTICOID SPECIES	864	0
	HARPACTICUS SPECIES	62112	27
	HARPACTICUS SPECIES	1440	0
	PORCELLIDIUM SARSI	288	0
	PORCELLIDIUM SARSI	96	0
ISOPODA	GNATHIA SPECIES	32	0
	IDOTEA RUFESCENS	192	0
	IDOTEA UROTOMA	160	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	128	0
	GASTROPODA JUVENILE	1312	0
	LACUNA CARINATA	992	0
	MITRELLA CARINATA	32	0
	MITRELLA GOULDI	96	0
	MYTILUS EDULIS	96	0
	ODOSTOMIA TENUISCHULPTA	224	0
	PELECYPODA JUVENILE	192	0

MYSIDACEAE	ACANTHOMYSIS MACROPSIS	32	0
NATANTIA	HEPTACARPUS CARINATUS	160	0
	HEPTACARPUS CARINATUS	128	0
	HIPPOLYTE CLARKI	32	0
	HIPPOLYTE CLARKI	160	0
	NATANTIA ZOEA	1568	0
	NATANTIA ZOEA	3264	1
	PANDALUS DANAE	7	6
OSTRACODA	OSTRACODA SPECIES	32	0
	OSTRACODA SPECIES	32	0
PHOLIDAE	PHOLIDAE SPECIES	32	0
POLYCHAETA	NEREIS SPECIES	3040	0
	NEREIS SPECIES	32	0
	SPIONIDAE SPECIES	32	0

LOCATION = AIRM YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 36 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	236	20
	PUGETTIA RICHII	2	0
CALANOIDA	EPILABIDOCERA AMPHITRITES	12	0
	PSEUDOCALANUS MINUTUS	2	0
	TORTANUS DISCAUDATUS	10	0
CIRRIPEDIA	BARNACLE NAUPLII	34	0
CLADOCERA	EVADNE NORMANI	114	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	32	10
	CORYNE TUBULOSA	344	30
	OBELIA LONGISSIMA	6	0
	RATHKEA OCTOPUNCTATA	98	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	160	30
CUMACEAE	LAMPROPS QUADRIPLICATA	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	14	0
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 20 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
PHOLIDAE	XERXERPES FUCORUM	1	100

LOCATION - AIRM YEAR - 1981 MONTH - 8 DAY - 7 SAMPLE VOLUME - 11 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ASTEROIDEA	ASTEROIDIDEA SPECIES	1	0
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	102	10
CALANOIDA	ACARTIA LONGIREMUS	181	30
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	15	0
	CALANUS GLACIALIS	8	0
	CENTROPHAGES ABDOMINALIS	12	5
	EPILABIDOCERA AMPHITRITES	67	10
	EURYTEMORA HIRUNDOIDES	10	0
	MICROCALANUS PYGMAEUS	2	0
	PSEUDOCALANUS MINUTUS	66	10
	SCOLOCITHRICELLA MINOR	17	5
	TORTANUS DISCAUDATUS	3	0
CHAETOGNATHA	SAGITTA SPECIES	14	0
CIRRIPEDIA	BARNACLE NAUPLII	45	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	361	5
	PODON POLYPHEMOIDES	273	5
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	5	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	3	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	ISCHYROCERUS ANGUIPES	6	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	5	0
	HARPACTICUS SPECIES	9	0
ISOPODA	IDOTEA UROTOMA	3	0
LARVACEA	OIKOPLEURA DIOICA	120	20
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
NATANTIA	NATANTIA ZOEA	25	0

LOCATION - AIRM YEAR - 1981 MONTH - 8 DAY - 16 SAMPLE VOLUME - 23 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	4	0
BRACHYURA	BRACHYURA MEGALOPS	10	0
	BRACHYURA ZOEA	124	5
CALANOIDA	CALANUS GLACIALIS	12	0
	PSEUDOCALANUS MINUTUS	2	0
CALICOIDA	CALIGUS SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	74	0

	CYPRIS LARVA	38	0
CLADOCERA	EVADNE NORMANI	148	0
	PODON POLYPHEMOIDES	42	0
CNIDARIA	BLACKFORDIA SPECIES	10	0
	CORYNE TUBULOSA	118	30
	OBELIA LONGISSIMA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	48	10
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	10	0
HARPACTICOIDA	HARPACTICOID SPECIES	84	0
	HARPACTICUS SPECIES	46	0
	PORCELLIDIUM SARSI	24	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	96	5
	LACUNA CARINATA	4	0
	MELIBE LEONINA	2	0
	MITRELLA GOULDI	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	2	3
	HEPTACARPUS CARINATUS	2	4
	HEPTACARPUS STYLUS	2	3
	HIPPOLYTE CLARKI	76	40
	NATANTIA ZOEA	38	0
POLYCHAETA	NEREIS SPECIES	4	0
	SPIONIDAE SPECIES	4	0

LOCATION - AIRM YEAR - 1981 MONTH - 8 DAY - 16 SAMPLE VOLUME - 9 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	10	10
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	17	10
	CALANUS PACIFICUS	1	0
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	5	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	77	15
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	44	5
	PODON POLYPHEMOIDES	38	5
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	21	40
	OBELIA LONGISSIMA	3	0
COTTIDAE	COTTID SPECIES	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	15
CYCLOPOIDA	ONCAEA BOREALIS	1	0

HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	10	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GALEOMATACEAE (SUPERFAMILY)	1	0
	GASTROPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	1	0
POLYCHAETA	SPIONIDAE SPECIES	3	0

LOCATION - AIRM YEAR - 1981 MONTH - 8 DAY - 16 SAMPLE VOLUME - 29 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	194	15
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	102	8
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	6	0
	CALANUS PACIFICUS	6	1
	CENTROPHAGES ABDOMINALIS	10	1
	PSEUDOCALANUS MINUTUS	20	2
	SCOLOCITHRICELLA MINOR	22	2
	TORTANUS DISCAUDATUS	8	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	564	30
	CYPRIS LARVA	42	0
CLADOCERA	EVADNE NORMANI	632	20
	PODON POLYPHEMOIDES	142	0
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	36	10
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
	ONCAEA BOREALIS	2	0
GAMMARIDEA	PONTOGENEIA INERMIS	4	0
	PONTOGENEIA INTERMEDIA	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	210	10
	HARPACTICUS SPECIES	10	0
ISOPODA	IDOTEA RUFESCENS	6	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	MELIBE LEONINA	10	0
NATANTIA	HEPTACARPUS CARINATUS	2	0
	NATANTIA ZOEA	52	0
NEMATODA	NEMATODA SPECIES	2	0

LOCATION - AIRM YEAR - 1981 MONTH - 8 DAY - 16 SAMPLE VOLUME - 9 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	21	5
CALANOIDA	CALANUS GLACIALIS	1	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	3	0
	MICROCALANUS PYGMAEUS	2	0
	PARACALANUS PARVIS	152	35
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	187	50
	CYPRIS LARVA	5	0
CLADOCERA	EVADNE NORMANI	45	.4
	PODON POLYPHEMOIDES	51	5
CNIDARIA	CORYNE TUBULOSA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	2	0
	IDOTEA UROTOMA	1	0
MOLLUSCA	CLIONE SPECIES	1	0
	EUBRANCHUS OLIVACEUS	7	0
	GASTROPODA JUVENILE	5	0
NATANTIA	NATANTIA ZOEA	1	0
POLYCHAETA	POLYCHAETA SPECIES	6	0
	SPIONIDAE SPECIES	2	0

LOCATION - AIRM YEAR - 1981 MONTH - 8 DAY - 26 SAMPLE VOLUME - 24 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	1242	40
CALANOIDA	ACARTIA LONGIREMUS	18	0
	CALANOID COPEDID	18	0
	CALANUS GLACIALIS	4	0
	CALANUS PACIFICUS	2	0
	CENTROPHAGES ABDOMINALIS	36	3
	EPILABIDOCERA AMPHITRITES	10	0
	MICROCALANUS PYGMAEUS	14	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	54	3
	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	20	2
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0

CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	248	0
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	44	0
	PODON POLYPHEMOIDES	918	10
CNIDARIA	BLACKFORDIA SPECIES	90	5
	CORYNE TUBULOSA	340	15
	OBELIA LONGISSIMA	28	0
	TUBULARIA PROLIFER	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	44	10
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	36	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	32	0
NATANTIA	NATANTIA ZOEA	246	10
POLYCHAETA	SPIONIDAE SPECIES	14	0

LOCATION = AIRM YEAR = 1981 MONTH = 8 DAY = 26 SAMPLE VOLUME = 8 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	7	0
	BRACHYURA ZOEA	50	0
CALANOIDA	ACARTIA LONGIREMUS	108	10
	CALANUS GLACIALIS	7	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	2	0
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	1	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	19	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	686	35
	PODON POLYPHEMOIDES	427	25
CNIDARIA	AGLANTHA DIGITALE	5	2
	CORYNE TUBULOSA	7	3
	OBELIA LONGISSIMA	7	3
	RATHKEA OCTOPUNCTATA	2	2
	SOLMISSUS MARSHALLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	21	10
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
GAMMARIDEA	PONTOGENEIA INTERMEDIA	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	121	10
MOLLUSCA	GASTROPODA JUVENILE	9	0
	MELIBE LEONINA	1	0
NATANTIA	HIPPOLYTE CLARKI	3	0
	NATANTIA ZOEA	27	0

NEMATODA	NEMATODA SPECIES	1	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 8 DAY = 26 SAMPLE VOLUME = 42 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	232	10
CALANOIDA	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	8	0
	CALANUS PACIFICUS	4	0
	EPILABIDOCERA AMPHITRITES	8	0
	MICROCALANUS PYGMAEUS	28	0
	PSEUDOCALANUS MINUTUS	8	0
	TORTANUS DISCAUDATUS	28	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	136	5
CLADOCERA	EVADNE NORMANI	36	0
	PODON POLYPHEMOIDES	176	5
CNIDARIA	AGLANTHA DIGITALE	12	0
	BLACKFORDIA SPECIES	96	20
	OBELIA LONGISSIMA	4	0
	TUBULARIA PROLIFER	12	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	400	60
HARPACTICOIDA	HARPACTICUS SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	12	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
NATANTIA	NATANTIA ZOEA	28	0

LOCATION = AIRM YEAR = 1981 MONTH = 8 DAY = 26 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	5	0
	BRACHYURA ZOEA	48	0
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	ACARTIA LONGIREMUS	233	20
	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	5	0
	EURYTEMORA HIRUNDOIDES	1	0
	METRIDIA PACIFICA	2	0
	MICROCALANUS PYGMAEUS	2	0
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	5	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0

CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	3	0
CLADOCERA	EVADNE NORMANI	829	30
	PODON POLYPHEMOIDES	495	20
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	8	5
	OBELIA LONGISSIMA	3	2
	RATHKEA OCTOPUNCTATA	3	3
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
GAMMARIDEA	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	17	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	332	20
MOLLUSCA	GASTROPODA JUVENILE	13	0
	MELIBE LEONINA	1	0
	MYTILUS EDULIS	1	0
NATANTIA	HIPPOLYTE CLARKI	3	0
	NATANTIA ZOEA	8	0
PHOLIDAE	PHOLIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 50 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	206	0
	PUGETTIA PRODUCTA	1	8
	PUGETTIA RICHII	1	8
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANUS GLACIALIS	26	0
	CENTROPHAGES ABDOMINALIS	8	0
	PSEUDOCALANUS MINUTUS	66	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	4	0
CALICOIDA	CALIGUS SPECIES	2	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	18	0
CNIDARIA	BLACKFORDIA SPECIES	66	8
	CORYNE TUBULOSA	280	16
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA CHRISTINAE	2	0
COTTIDAE	SYNCHIRUS GILLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	128	8
CUMACEAE	DIASTYLOPSIS SPECIES	26	0
	LAMPROPS QUADRIPLICATA	14	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	2	0

	MILLIAMINA SPECIES	2	0
GAMMARIDEA	EOHAUSTORIUS WASHINGTONIANUS	4	0
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	14	0
	PONTOGENEIA INERMIS	10	0
	SYNCHELIDIUM SHOEMAKERI	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	140	0
	HARPACTICUS SPECIES	98	0
	PORCELLIDIUM SARSI	24	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	4	0
MOLLUSCA	CARDITA VENTRICOSA	6	0
	LACUNA CARINATA	42	0
	PELECYPODA JUVENILE	14	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	8	0
NATANTIA	CRANGON SPECIES	8	0
	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	602	48
	NATANTIA ZOEA	60	0
NEMATODA	NEMATODA SPECIES	12	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	ARMANDIA BREVIS	6	0
	NEREIS SPECIES	6	0
	SPIO SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 32 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	84	5
CALANOIDA	ACARTIA LONGIREMUS	80	5
	CALANUS GLACIALIS	12	1
	CALANUS PACIFICUS	12	1
	METRIDIA PACIFICA	24	1
	PSEUDOCALANUS MINUTUS	8	0
	SCAPHOCALANUS BREVICORNIS	8	1
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	10	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
	CAPRELLA LEVIUSCULA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	64	0
	CORYNE PRINCEPS	670	35
	CORYNE TUBULOSA	578	30
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	108	10
GAMMARIDEA	HYALE FREQUENS	4	0
	PONTOGENEIA INERMIS	6	0
	PROTOMEDIA SPECIES	2	0

HARPACTICOIDA	HARPACTICOID SPECIES	106	0
	HARPACTICUS SPECIES	74	2
	PORCELLIDIUM SARSI	160	3
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	14	0
	LACUNA CARINATA	6	0
	MITRELLA GOULDI	4	0
	TAPES SPECIES	2	0
NATANTIA	HIPPOLYTE CLARKI	26	0
	NATANTIA ZOEA	70	5
OSTRACODA	OSTRACODA SPECIES	22	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 220 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	144	0
CALANOIDA	ACARTIA LONGIREMUS	24	0
	CALANUS GLACIALIS	32	0
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	136	0
	SCOLOCITHRICELLA MINOR	16	0
	TORTANUS DISCAUDATUS	8	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	CYPRIS LARVA	32	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	48	0
	CORYNE TUBULOSA	400	40
CTENOPHORA	PLEUROBRANCHIA BACHEI	824	60
HARPACTICOIDA	HARPACTICOID SPECIES	40	0
	HARPACTICUS SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	8	0
NATANTIA	HIPPOLYTE CLARKI	16	0
	NATANTIA ZOEA	184	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 620 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	368	1
CALANOIDA	ACARTIA LONGIREMUS	48	0
	CALANUS GLACIALIS	16	0
	PSEUDOCALANUS MINUTUS	48	0

	SCOLOCITHRICELLA MINOR	48	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	CYPRIS LARVA	176	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	48	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2992	99
FISH	FISH EGGS	48	0
HARPACTICOIDA	HARPACTICOID SPECIES	32	0
	PORCELLIDIUM SARSI	16	0
NATANTIA	NATANTIA ZOEA	304	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 40 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	236	2
CALANOIDA	ACARTIA LONGIREMUS	32	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	4	0
	CALANUS PACIFICUS	12	0
	CENTROPHAGES ABDOMINALIS	52	0
	PSEUDOCALANUS MINUTUS	20	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	12	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	CORYNE PRINCEPS	4	0
	CORYNE TUBULOSA	236	27
	RATHKEA OCTOPUNCTATA	140	9
CTENOPHORA	PLEUROBRANCHIA BACHEI	40	4
GAMMARIDEA	AOROIDES COLUMBIAE	8	1
	HYALE FREQUENS	8	0
	ISCHYROCERUS ANGUIPES	24	1
	PONTOGENEIA INERMIS	12	1
HARPACTICOIDA	HARPACTICOID SPECIES	116	0
	HARPACTICUS SPECIES	20	0
	PORCELLIDIUM SARSI	12	0
ISOPODA	IDOTEA RUFESCENS	28	0
	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	20	0
	LACUNA CARINATA	36	0
NATANTIA	CRANGON SPECIES	1	10
	HIPPOLYTE CLARKI	196	45
	NATANTIA ZOEA	136	0
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION - AIRM YEAR - 1981 MONTH - 9 DAY - 2 SAMPLE VOLUME - 42 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	52	10
CALANOIDA	ACARTIA LONGIREMUS	40	5
	CALANOID COPEDID	24	1
	CALANUS PACIFICUS	32	5
	EPILABIDOCERA AMPHITRITES	12	1
	PSEUDOCALANUS MINUTUS	12	1
	SCOLOCITHRICELLA MINOR	12	1
	TORTANUS DISCAUDATUS	8	1
CHAETOGNATHA	SAGITTA SPECIES	64	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	76	5
	CORYNE PRINCEPS	8	0
	CORYNE TUBULOSA	248	50
	RATHKEA OCTOPUNCTATA	52	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	24	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	4	0
	PROTOMEDIA SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SARSI	28	0
ISOPODA	IDOTEA RUFESCENS	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	16	0
NATANTIA	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	164	15

LOCATION - AIRM YEAR - 1981 MONTH - 9 DAY - 2 SAMPLE VOLUME - 80 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	20	0
	BRACHYURA ZOEA	92	20
CALANOIDA	ACARTIA LONGIREMUS	104	10
	AETEDIUS ARMATUS	8	1
	CALANOID COPEDID	4	1
	CALANUS GLACIALIS	76	10
	CENTROPHAGES ABDOMINALIS	12	2
	EPILABIDOCERA AMPHITRITES	4	1
	PSEUDOCALANUS MINUTUS	100	10
	TORTANUS DISCAUDATUS	28	5
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	12	0
	CYPRIS LARVA	12	0

CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	76	20
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	124	0
GAMMARIDEA	AMPHITHOE LINDBERGI	4	0
	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	36	0
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SARSI	16	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	24	0
NATANTIA	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	104	20

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 55 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	60	0
CALANOIDA	ACARTIA LONGIREMUS	180	10
	CALANOID COPEDID	124	10
	CALANUS GLACIALIS	24	0
	CENTROPHAGES ABDOMINALIS	60	0
	EPILABIDOCERA AMPHITRITES	24	0
	PSEUDOCALANUS MINUTUS	40	0
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	124	10
CHAETOGNATHA	SAGITTA SPECIES	72	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	8	0
CLADOCERA	EVADNE NORMANI	12	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	56	10
	CORYNE PRINCEPS	4	0
	CORYNE TUBULOSA	80	15
	OBELIA LONGISSIMA	32	5
	RATHKEA OCTOPUNCTATA	12	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	140	30
GAMMARIDEA	HYALE FREQUENS	8	0
	PONTOGENEIA INTERMEDIA	4	0
	STENOTHOE SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	72	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	IDOTEA RUFESCENS	4	0
	PENTIDOTEA RESECTA	4	0
MOLLUSCA	GASTROPODA JUVENILE	20	0
	LACUNA CARINATA	4	0

NATANTIA	NATANTIA ZOEA	160	10

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 39 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	30	0
CALANOIDA	ACARTIA LONGIREMUS	128	10
	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	4	0
	CALANUS PACIFICUS	2	0
	CENTROPHAGES ABDOMINALIS	4	0
	PSEUDOCALANUS MINUTUS	4	0
	SCOLOCITHRICELLA MINOR	14	0
	TORTANUS DISCAUDATUS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	10	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	42	20
	CORYNE TUBULOSA	196	40
	OBELIA LONGISSIMA	50	20
	RATHKEA OCTOPUNCTATA	14	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	92	10
FISH	FISH EGGS	42	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	34	0
	HARPACTICUS SPECIES	14	0
	PORCELLIDIUM SARSI	6	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	10	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	14	0
	LACUNA CARINATA	28	0
NATANTIA	NATANTIA ZOEA	28	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 41 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	276	10
CALANOIDA	ACARTIA LONGIREMUS	20	0
	CALANUS PACIFICUS	12	0
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	4	0
	SCOLOCITHRICELLA MINOR	4	0

CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	28	0
	CYPRIS LARVA	4	0
CNIDARIA	BLACKFORDIA SPECIES	116	10
	CORYNE TUBULOSA	188	30
	OBELIA LONGISSIMA	8	0
	PERIGONIMUS YOLDIA-ARCTICA	4	0
	RATHKEA OCTOPUNCTATA	20	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	88	40
FISH	FISH EGGS	20	0
GAMMARIDEA	CALLIOPIELLA PRATTI	16	0
	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	12	0
	PORCELLIDIUM SARSI	20	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	20	0
NATANTIA	HIPPOLYTE CLARKI	12	10
	NATANTIA ZOEA	36	0
OSTRACODA	OSTRACODA SPECIES	4	0

LOCATION - AIRM YEAR - 1981 MONTH - 9 DAY - 3 SAMPLE VOLUME - 34 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	204	0
CALANOIDA	ACARTIA LONGIREMUS	304	20
	CALANOID COPEDID	40	10
	CALANUS GLACIALIS	46	0
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	188	10
	EPILABIDOCERA AMPHITRITES	4	0
	MICROCALANUS PYGMAEUS	36	0
	PSEUDOCALANUS MINUTUS	240	0
	SCOLOCITHRICELLA MINOR	50	0
	TORTANUS DISCAUDATUS	26	0
CHAETOGNATHA	SAGITTA SPECIES	20	0
CIRRIPEDIA	BARNACLE NAUPLII	18	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	22	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	180	10
	CORYNE TUBULOSA	82	5
	OBELIA LONGISSIMA	64	5
	RATHKEA OCTOPUNCTATA	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	128	0
CYCLOPOIDA	CYCLOPODIA SPECIES	2	0
FISH	FISH EGGS	24	0

GAMMARIDEA	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	56	0
	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	8	0
MOLLUSCA	GASTROPODA JUVENILE	32	0
	MELIBE LEONINA	8	0
NATANTIA	NATANTIA ZOEA	940	40
POLYCHAETA	POLYNOIDA SPECIES	2	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 12 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	17	0
CALANOIDA	ACARTIA LONGIREMUS	92	40
	CALANOID COPEDID	42	5
	CALANUS PACIFICUS	19	0
	CENTROPHAGES ABDOMINALIS	26	20
	EPILABIDOCERA AMPHITRITES	6	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	34	0
	SCOLOCITHRICELLA MINOR	15	5
	TORTANUS DISCAUDATUS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CHAETOGNATHA	SAGITTA SPECIES	13	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	EVADNE NORMANI	7	0
	PODON POLYPHEMOIDES	1	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	43	20
	CORYNE TUBULOSA	13	0
	OBELIA LONGISSIMA	25	10
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	2	0
	PONTOGENEIA INERMIS	1	0
	PONTOGENEIA INTERMEDIA	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	18	0
	HARPACTICUS SPECIES	1	0
INSECTA	TIPUDLIDAE ADULT	1	0
MOLLUSCA	GASTROPODA JUVENILE	2	0
NATANTIA	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	51	0
STICHAEIDAE	STICHAEIDAE SPECIES	1	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 25 ML
ON THE BOTTOM LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	168	0
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	8	0
	CENTROPHAGES ABDOMINALIS	32	0
	PSEUDOCALANUS MINUTUS	56	0
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	8	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CLADOCERA	EVADNE NORMANI	8	0
CNIDARIA	BLACKFORDIA SPECIES	168	40
	CORYNE TUBULOSA	120	20
	RATHKEA OCTOPUNCTATA	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	144	40
FISH	FISH EGGS	48	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	56	0
	HARPACTICUS SPECIES	32	0
	PORCELLIDIUM SARSI	16	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	8	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
NATANTIA	NATANTIA ZOEA	168	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 43 ML
AT THE SURFACE LANDWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	64	0
CALANOIDA	ACARTIA LONGIREMUS	28	0
	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	4	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	60	50
	CORYNE TUBULOSA	56	0

	OBELIA LONGISSIMA	60	0
	RATHKEA OCTOPUNCTATA	36	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	52	30
FISH	FISH EGGS	276	20
GAMMARIDEA	HYALE FREQUENS	4	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
INSECTA	CHIRONOMIDAE LARVAE	4	0
ISOPODA	IDOTEA RUFESCENS	20	0
	IDOTEA UROTOMA	36	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	28	0
	LACUNA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	152	0
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION = AIRM YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 180 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	1512	0
CALANOIDA	ACARTIA LONGIREMUS	40	0
	CALANOID COPEDID	24	0
	CALANUS GLACIALIS	56	0
	CENTROPHAGES ABDOMINALIS	120	0
	EPILABIDOCERA AMPHITRITES	16	0
	MICROCALANUS PYGMAEUS	8	0
	PSEUDOCALANUS MINUTUS	160	0
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	24	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	64	0
CNIDARIA	BLACKFORDIA SPECIES	16	5
	CORYNE TUBULOSA	40	10
	OBELIA LONGISSIMA	32	5
	RATHKEA OCTOPUNCTATA	56	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	72	20
FISH	FISH EGGS	56	0
	FISH LARVAE	8	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	64	1
	HYALE FREQUENS	72	2
	ISCHYROCERUS ANGUIPES	64	2
	PONTOGENEIA INERMIS	24	0
HARPACTICOIDA	HARPACTICOID SPECIES	2096	5
	HARPACTICUS SPECIES	40	0
ISOPODA	IDOTEA RUFESCENS	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	288	0

	GASTROPODA JUVENILE	48	0
	PELECYPODA JUVENILE	24	0
NATANTIA	HEPTACARPUS CARINATUS	8	5
	HEPTACARPUS STYLUS	32	10
	HIPPOLYTE CLARKI	40	20
	NATANTIA ZOEA	1464	5
OSTRACODA	OSTRACODA SPECIES	16	0
POLYCHAETA	AUTOLYTUS SPECIES	8	0
	NEREIS SPECIES	16	0
	POLYCHAETA SPECIES	8	0

LOCATION - AIRM YEAR - 1981 MONTH - 9 DAY - 4 SAMPLE VOLUME - 26 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	328	10
CALANOIDA	ACARTIA LONGIREMUS	832	30
	CALANOID COPEDID	24	0
	CALANUS GLACIALIS	20	0
	CENTROPHAGES ABDOMINALIS	90	5
	EPILABIDOCERA AMPHITRITES	20	0
	MICROCALANUS PYGMAEUS	2	0
	PSEUDOCALANUS MINUTUS	62	0
	SCOLOCITHRICELLA MINOR	62	0
	TORTANUS DISCAUDATUS	78	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0
	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	34	0
	PODON POLYPHEMOIDES	84	0
CNIDARIA	AGLANTHA DIGITALE	6	0
	BLACKFORDIA SPECIES	10	0
	CORYNE TUBULOSA	64	20
	OBELIA LONGISSIMA	198	20
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	16	0
FISH	FISH EGGS	104	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	HYALE FREQUENS	16	0
	ISCHYROCERUS ANGUIPES	18	0
HARPACTICOIDA	HARPACTICOID SPECIES	326	5
	HARPACTICUS SPECIES	6	0
ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	DIRONA ALBOLINEATA	2	0
	EUBRANCHUS OLIVACEUS	24	0
	GASTROPODA JUVENILE	52	0
	PELECYPODA JUVENILE	6	0
NATANTIA	HIPPOLYTE CLARKI	12	3
	NATANTIA ZOEA	202	2

OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0
	SPIONIDAE SPECIES	12	0

LOCATION = DEER YEAR = 1980 MONTH = 4 DAY = 2 SAMPLE VOLUME = 73 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	112	0
CALANOIDA	CALANUS PACIFICUS	112	0
CLUPEIDAE	CLUPEID EGGS	48000	95
GAMMARIDEA	AMPHITHOE LINDBERGI	80	0
	CALLIOPIELLA PRATTI	64	0
	HYALE FREQUENS	16	0
	HYALE GRANDECORNIS	16	0
	ISCHYROCERUS ANGUIPES	1312	2
	PARAPLEUSTES PUGETTENSIS	224	0
	PLEUSTES SPECIES	128	0
	PONTOGENEIA INERMIS	144	0
	PONTOGENEIA ROSTRATA	1840	3
HARPACTICOIDA	HARPACTICOID SPECIES	432	0
	HARPACTICUS SPECIES	144	0
	PORCELLIDIUM SPECIES	432	0
ISOPODA	IDOTEA RUFESCENS	16	0
	IDOTEA UROTOMA	48	0
	PENTIDOTEA RESECTA	16	0
MOLLUSCA	AMPHISSA VERSICOLOR	48	0
	LACUNA MARMORATA	32	0
	ODOSTOMIA TENUISCHULPTA	16	0
NATANTIA	EUALIS BIUNGUIS	16	0
	HEPTACARPUS BREVIROSTRIS	16	0
	HIPPOLYTE CLARKI	112	0
	NATANTIA ZOEA	16	0
OSTRACODA	OSTRACODA SPECIES	64	0
POLYCHAETA	DODECACERIA FEWSKI	16	0
TURBELLARIA	TURBELLARIA SPECIES	16	0

LOCATION = DEER YEAR = 1980 MONTH = 4 DAY = 2 SAMPLE VOLUME = 220 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	128	0
BRACHYURA	BRACHYURA ZOEA	1728	0
CALANOIDA	CALANUS PACIFICUS	1920	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	64	0
	TRITELLA PILIMANA	64	0
CLUPEIDAE	CLUPEID EGGS	320000	98
FISH	FISH EGGS	64	0

GAMMARIDEA	AMPHITHOE LINDBERGI	768	0
	CALLIOPIELLA PRATTI	512	0
	DEXAMONICA (ATYLUS) COLLINGI	64	0
	HYALE FREQUENS	2880	0
	ISCHYROCERUS ANGUIPES	20160	1
	PARAPLEUSTES PUGETTENSIS	1024	0
	PLEUSTES SPECIES	1024	0
	PONTOGENEIA INERMIS	832	0
	PONTOGENEIA INTERMEDIA	128	0
	PONTOGENEIA ROSTRATA	25856	1
HARPACTICOIDA	HARPACTICOID SPECIES	2112	0
	HARPACTICUS SPECIES	1984	0
	PORCELLIDIUM SPECIES	4928	0
ISOPODA	IDOTEA RUFESCENS	384	0
	IDOTEA UROTOMA	256	0
MOLLUSCA	GASTROPODA SPECIES	192	0
	LACUNA MARMORATA	256	0
	MARGARITES HELICINUS	64	0
	MARGARITES PUPILLIS	64	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	64	0
NATANTIA	HIPPOLYTE CLARKI	1728	0
	NATANTIA ZOEA	128	0
OSTRACODA	OSTRACODA SPECIES	64	0
POLYCHAETA	POLYCHAETA SPECIES	64	0
SCORPAENIDAE	SEBASTES SPECIES	576	0
STICHAEIDAE	ANOPLARCHUS SPECIES	192	0
TURBELLARIA	TURBELLARIA SPECIES	128	0

LOCATION = DEER YEAR = 1980 MONTH = 4 DAY = 2 SAMPLE VOLUME = 60 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	16	0
BRACHYURA	BRACHYURA ZOEA	3648	9
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANUS PACIFICUS	6864	48
	METRIDIA PACIFICA	16	0
CIRRIPEDIA	BARNACLE CYPRIS	16	0
HARPACTICOIDA	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SPECIES	16	0
NATANTIA	NATANTIA ZOEA	64	0
PHOLIDAE	XERXERPES FUCORUM	1	4
POLYCHAETA	DODECACERIA FEWSKI	80	3
	LEPIDONOTUS SQUAMATUS	16	0
	POLYCHAETA SPECIES	64	0
SCORPAENIDAE	SEBASTES SPECIES	13	12
STICHAEIDAE	STICHAEIDAE SPECIES	33	24

LOCATION = DEER YEAR = 1980 MONTH = 4 DAY = 20 SAMPLE VOLUME = 7 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
CLUPEIDAE	CLUPEA HARENGUS PALLASI	32	70
HEXAGRAMMIDAE	OPHIODON ELONGATUS	1	10
PHOLIDAE	PHOLIDAE SPECIES	16	20

LOCATION = DEER YEAR = 1980 MONTH = 4 DAY = 20 SAMPLE VOLUME = 19 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	16	0
BRACHYURA	BRACHYURA ZOEA	152	5
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	60	0
	CALANUS PACIFICUS	592	50
	METRIDIA OKHOTENSIS	8	0
CHAETOGNATHA	EUKRONIA HAMATA	24	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	77	5
COTTIDAE	COTTID SPECIES	1	0
FISH	FISH EGGS	4	0
GADIDAE	MICROGADUS PROXIMUS	3	0
GAMMARIDEA	AMPHITHOE LINDBERGI	56	10
	HYALE FREQUENS	28	0
	ISCHYROCERUS ANGUIPES	20	0
	PARAPLEUSTES PUGETTENSIS	1	3
	PLEUSTES SPECIES	20	0
	PONTOGENEIA INTERMEDIA	4	0
	PONTOGENEIA ROSTRATA	20	0
HARPACTICOIDA	HARPACTICOID SPECIES	480	12
	PORCELLIDIUM SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	20	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	LACUNA VARIEGATA	1	0
	LIMACINA SPECIES	12	0
	OCTOPUS LEIODERMA	1	0
NATANTIA	NATANTIA ZOEA	276	10
OSTRACODA	OSTRACODA SPECIES	12	0
PHOLIDAE	PHOLIDAE SPECIES	1	0
PLEURONECTIDAE	PLEURONICHTHYS EGG	1	0
SCORPAENIDAE	SEBASTES SPECIES	4	5
STICHAEIDAE	STICHAEIDAE SPECIES	1	0
TURBELLARIA	TURBELLARIA SPECIES	4	0

LOCATION = DEER YEAR = 1980 MONTH = 5 DAY = 17 SAMPLE VOLUME = 55 ML
AT THE SURFACE SEAWARD OF KELP.

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
CLUPEIDAE	CLUPEA HARENGUS PALLASI	1	5
FISH	FISH EGGS	5	0
GADIDAE	GADUS MACROCEPHALUS	1	5
PLEURONECTIDAE	PLEURONECTIDAE SPECIES	3	20
	PLEURONICHTHYS EGG	3	0
SCORPAENIDAE	SEBASTES SPECIES	16	70

LOCATION = DEER YEAR = 1980 MONTH = 5 DAY = 17 SAMPLE VOLUME = 20 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	8	0
BRACHYURA	BRACHYURA ZOEA	8	0
	SCYRA ACUTIFRONS	1	10
CALANOIDA	CALANOID COPEDID	8	0
	CALANUS PACIFICUS	12	0
	METRIDIA PACIFICA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	32	3
	CALLIOPIELLA PRATTI	68	5
	HYALE FREQUENS	24	2
	HYALE GRANDECORNIS	32	0
	ISCHYROCERUS ANGUIPES	1092	50
	PARAPLEUSTES PUGETTENSIS	40	0
	PLEUSTES SPECIES	28	2
	PONTOGENEIA INERMIS	92	5
	PONTOGENEIA INTERMEDIA	12	0
	PONTOGENEIA ROSTRATA	292	10
HARPACTICOIDA	HARPACTICOID SPECIES	640	3
	HARPACTICUS SPECIES	92	0
	PORCELLIDIUM SPECIES	212	0
ISOPODA	IDOTEA RUFESCENS	16	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	LACUNA CARINATA	1	0
	LIMACINA SPECIES	16	0
	POLINICES SPECIES	4	0
NATANTIA	EUALIS BIUNGUIS	1	0
	HIPPOLYTE CLARKI	3	5
	NATANTIA ZOEA	8	0
	PANDALUS TRIDENS	1	5
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	DIOSACCIDAE SPECIES	24	0
TURBELLARIA	TURBELLARIA SPECIES	8	0

LOCATION = DEER YEAR = 1980 MONTH = 5 DAY = 17 SAMPLE VOLUME = 15 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	36	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	12	0
CALANOIDA	CALANOID COPEDID	12	0
	CALANUS PACIFICUS	24	0
	CENTROPHAGES ABDOMINALIS	4	0
	PSEUDOCALANUS MINUTUS	48	0
CIRRIPEDIA	BARNACLE CYPRIS	8	0
	BARNACLE NAUPLII	8	0
COTTIDAE	CLINOCOTTUS EMBRYUM	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	16	10
	CALLIOPIELLA PRATTI	4	0
	HYALE FREQUENS	16	0
	HYALE GRANDECORNIS	52	0
	ISCHYROCERUS ANGUIPES	268	20
	PARAPLEUSTES PUGETTENSIS	16	10
	PLEUSTES SPECIES	24	0
	PONTOGENEIA INERMIS	8	0
	PONTOGENEIA INTERMEDIA	4	0
	PONTOGENEIA ROSTRATA	108	20
HARPACTICOIDA	HARPACTICOID SPECIES	264	0
	HARPACTICUS SPECIES	148	0
	PORCELLIDIUM SPECIES	156	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	4	10
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	4	0
	LIMACINA SPECIES	40	0
	MARGARITES HELICINUS	1	0
NATANTIA	EUALIS BIUNGUIS	4	10
	HIPPOLYTE CLARKI	9	20
	NATANTIA ZOEA	12	0
OSTRACODA	OSTRACODA SPECIES	20	0
TURBELLARIA	TURBELLARIA SPECIES	12	0

LOCATION = DEER YEAR = 1980 MONTH = 5 DAY = 20 SAMPLE VOLUME = 23 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
CAPRELLIDEA	METACAPRELLA KENNERLYI	1	20
COTTIDAE	SYNCHIRUS GILLI	1	20
NATANTIA	EUALIS BIUNGUIS	1	30
STICHAEIDAE	ALLOLUMPENUS HYPOCHROMUS	2	30

LOCATION = DEER YEAR = 1980 MONTH = 5 DAY = 20 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	28	0
BRACHYURA	BRACHYURA ZOEA	348	0
	NEWLY SETTLED CANCER SPECIES	4	0
CALANOIDA	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	24	5
	CALANUS PACIFICUS	44	10
	EPILABIDOCERA AMPHITRITES	4	0
	EUCALANUS BUNGI BUNGI	4	0
	MICROCALANUS PYGMAEUS	4	0
	PSEUDOCALANUS MINUTUS	244	20
CAPRELLIDEA	TRITELLA PILIMANA	1	0
CHAETOGNATHA	EUKRONIA HAMATA	8	0
CIRRIPEDIA	BARNACLE CYPRIS.	4	0
	BARNACLE NAUPLII	28	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	1	5
CNIDARIA	HYDRACTINIA SPECIES	4	0
	RATHKEA OCTOPUNCTATA	4	0
COTTIDAE	COTTID SPECIES	1	0
CUMACEAE	LEPTOCUMA SPECIES	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	8	0
	CALLIOPIELLA PRATTI	24	5
	ISCHYROCERUS ANGUIPES	56	20
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSTES SPECIES	1	5
	PONTOGENEIA INERMIS	12	2
	PONTOGENEIA ROSTRATA	12	3
HARPACTICOIDA	HARPACTICOID SPECIES	88	5
	HARPACTICUS SPECIES	24	0
	PORCELLIDIUM SPECIES	48	0
MOLLUSCA	LACUNA SPECIES	1	0
	LIMACINA SPECIES	24	0
	MITRELLA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	76	0
PLEURONECTIDAE	PLEURONICHTHYS EGG	1	0
SCORPAENIDAE	SEBASTES SPECIES	1	10
STICHAEIDAE	STICHAEIDAE SPECIES	2	10
TURBELLARIA	TURBELLARIA SPECIES	8	0
UNIDENTIFIED	UNIDENTIFIED TAXON	1	0

LOCATION = DEER YEAR = 1980 MONTH = 6 DAY = 22 SAMPLE VOLUME = 32 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	560	0
	PUGETTIA RICHII	1	30
CALANOIDA	CALANOID COPEDID	768	0
	MICROCALANUS PYGMAEUS	32	0
	PARACALANUS PARVIS	2064	15
	PSEUDOCALANUS MINUTUS	2512	15
CAPRELLIDEA	CAPRELLA LEVIUSCULA	3	0
	TRITELLA PILIMANA	2	0
CIRRIPEDIA	BARNACLE CYPRIS	16	0
	BARNACLE NAUPLII	3792	0
CLADOCERA	EVADNE NORMANI	208	0
	PODON POLYPHEMOIDES	1360	0
CNIDARIA	CORYNE TUBULOSA	48	0
	RATHKEA OCTOPUNCTATA	544	10
COTTIDAE	COTTID SPECIES	1	10
FISH	FISH EGGS	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	16	0
	ISCHYROCERUS ANGUIPES	2336	15
	PARAPLEUSTES PUGETTENSIS	80	0
	PLEUSTES SPECIES	32	0
	PONTOGENEIA ROSTRATA	208	0
HARPACTICOIDA	HARPACTICOID SPECIES	2880	5
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SPECIES	256	0
HYDROID COLONY	HYDROID COLONY	1	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	64	0
	GASTROPODA SPECIES	48	0
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	2	0
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	240	0
	PANDALUS TRIDENS	1	0
POLYCHAETA	POLYCHAETA SPECIES	16	0
SCORPAENIDAE	SEBASTES SPECIES	1	0
UNIDENTIFIED	UNIDENTIFIED TAXON	16	0

LOCATION = DEER YEAR = 1980 MONTH = 6 DAY = 22 SAMPLE VOLUME = 8 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	192	0
CALANOIDA	CALANOID COPEDID	544	10
	PARACALANUS PARVIS	976	20
	PSEUDOCALANUS MINUTUS	1568	30
CIRRIPEDIA	BARNACLE CYPRIS	32	0

	BARNACLE NAUPLII	1744	10
CLADOCERA	EVADNE NORMANI	112	0
	PODON POLYPHEMOIDES	816	0
CNIDARIA	RATHKEA OCTOPUNCTATA	160	0
COTTIDAE	SYNCHIRUS GILLI	1	10
GAMMARIDEA	AMPHITHOE LINDBERGI	48	0
	ISCHYROCERUS ANGUIPES	896	10
	PARAPLEUSTES PUGETTENSIS	32	0
	PONTOGENEIA ROSTRATA	144	5
	STENOTHOE SPECIES	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	1360	5
	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SPECIES	96	0
HYDROID COLONY	HYDROID COLONY	16	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	16	0
	GASTROPODA SPECIES	48	0
	LACUNA MARMORATA	16	0
NATANTIA	NATANTIA ZOEA	64	0
UNIDENTIFIED	UNIDENTIFIED TAXON	16	0

LOCATION = DEER YEAR = 1980 MONTH = 7 DAY = 23 SAMPLE VOLUME = 55 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	64	0
	BRACHYURA ZOEA	4384	95
CALANOIDA	AETEDIUS ARMATUS	64	0
	CALANOID COPEDID	192	0
	CALANUS GLACIALIS	16	0
	EPILABIDOCERA AMPHITRITES	32	0
	PARACALANUS PARVIS	48	0
	PSEUDOCALANUS MINUTUS	960	0
	TORTANUS DISCAUDATUS	400	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
CHAETOGNATHA	EUKRONIA HAMATA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	336	0
CLADOCERA	EVADNE NORMANI	208	0
	PODON POLYPHEMOIDES	32	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
FISH	FISH EGGS	32	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	PORCELLIDIUM SPECIES	16	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA UROTOMA	16	0
LARVACEA	OIKOPLEURA DIOICA	32	0
NATANTIA	NATANTIA ZOEA	592	0
SCORPAENIDAE	SEBASTES SPECIES	8	5

LOCATION = DEER YEAR = 1980 MONTH = 7 DAY = 23 SAMPLE VOLUME = 10 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	56	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	168	0
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	256	30
	CALANOID SPECIES	32	0
	CALANUS GLACIALIS	32	0
	CALANUS PACIFICUS	32	0
	EPILABIDOCERA AMPHITRITES	24	0
	PARACALANUS PARVIS	48	0
	PSEUDOCALANUS MINUTUS	64	0
	TORTANUS DISCAUDATUS	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA.	64	0
	TRITELLA PILIMANA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	360	5
CIRRIPEDIA	BARNACLE NAUPLII	440	0
CLADOCERA	EVADNE NORMANI	848	0
	PODON POLYPHEMOIDES	40	0
CNIDARIA	CORYNE TUBULOSA	8	0
	RATHKEA OCTOPUNCTATA	16	0
FISH	FISH EGGS	81	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	16	0
GAMMARIDEA	AMPHITHOE LINDBERGI	24	0
	HYALE FREQUENS	80	0
	HYALE GRANDECORNIS	16	0
	ISCHYROCERUS ANGUIPES	40	0
	PONTOGENEIA ROSTRATA	56	0
HARPACTICOIDA	HARPACTICOID SPECIES	80	0
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	64	0
ISOPODA	IDOTEA UROTOMA	32	0
	MUNNA STEPHENSONI	8	0
LARVACEA	OIKOPLEURA DIOICA	640	5
MOLLUSCA	LACUNA CARINATA	48	0
	MITRELLA GOULDI	8	0
NATANTIA	HIPPOLYTE CLARKI	1	30
OSTRACODA	OSTRACODA SPECIES	8	0
SCORPAENIDAE	SEBASTES SPECIES	20	30

LOCATION - DEER YEAR - 1980 MONTH - 7 DAY - 23 SAMPLE VOLUME - 170 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA ZOEA	416	0
	PUGETTIA RICHII	1	0
CALANOIDA	PSEUDOCALANUS MINUTUS	128	0
	TORTANUS DISCAUDATUS	448	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	192	0
	CAPRELLA LEVIUSCULA	64	0
	TRITELLA PILIMANA	96	0
CIRRIPEDIA	BARNACLE NAUPLII	96	0
CNIDARIA	HALICLYSTUS AURICULA	6	10
COTTIDAE	CLINOCOTTUS EMBRYUM	2	10
	COTTID SPECIES	1	0
	SYNCHIRUS GILLI	1	3
CYCLOPTERIDAE	LIPARIS FLORAE	1	2
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	128	0
	FORAMINIFERIDIA SPECIES	192	0
GAMMARIDEA	AMPHITHOE LACERTOSA	64	0
	AMPHITHOE LINDBERGI	64	0
	CALLIOPIELLA PRATTI	64	0
	ISCHYROCERUS ANGUIPES	1184	0
	PARAPLEUSTES PUGETTENSIS	192	0
	PONTOGENEIA ROSTRATA	2528	10
HARPACTICOIDA	HARPACTICOID SPECIES	512	0
	HARPACTICUS SPECIES	32	0
	PORCELLIDIUM SPECIES	160	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	MUNNA STEPHENSONI	64	0
MOLLUSCA	LACUNA CARINATA	416	5
	MARGARITES PUPILLIS	7	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	105	15
	HEPTACARPUS STIMPSONI	10	0
	HEPTACARPUS STYLUS	79	5
	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	64	0
	PANDALOPSIS DISPAR	10	0
	PANDALUS DANAE	17	0
	SPIRONTOCARIS OCHOTENSIS	6	0
PHOLIDAE	XERXERPES FUCORUM	1	40
POLYCHAETA	NEREIS SPECIES	32	0
	POLYCHAETA SPECIES	32	0

LOCATION = DEER YEAR = 1980 MONTH = 7 DAY = 23 SAMPLE VOLUME = 33 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	24	0
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	208	5
CALANOIDA	CALANOID COPEDID	8	0
	EPILABIDOCERA AMPHITRITES	16	0
	PARACALANUS PARVIS	16	0
	PSEUDOCALANUS MINUTUS	80	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	112	0
	CAPRELLA LEVIUSCULA	32	0
	TRITELLA PILIMANA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CLADOCERA	EVADNE NORMANI	48	0
	PODON POLYPHEMOIDES	32	0
COTTIDAE	OLIGOCOTTUS MACULOSUS	1	0
	SYNCHIRUS GILLI	5	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
FISH	FISH EGGS	40	0
GAMMARIDEA	AMPHITHOE LINDBERGI	136	10
	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	120	10
	HYALE GRANDECORNIS	64	0
	ISCHYROCERUS ANGUIPES	472	30
	PARAPLEUSTES PUGETTENSIS	8	0
	PONTOGENEIA INERMIS	8	0
	PONTOGENEIA ROSTRATA	144	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	168	0
	HARPACTICUS SPECIES	80	0
	PORCELLIDIUM SPECIES	16	0
HYDROID COLONY	HYDROID COLONY	1	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	24	0
	IDOTEA UROTOMA	56	0
	PENTIDOTEA RESECTA	5	0
MOLLUSCA	LACUNA CARINATA	8	0
	MARGARITES PUPILLIS	1	0
	MITRELLA CARINATA	2	0
	MITRELLA GOULDI	11	10
	NOTOACHEA SCUTUM	8	0
NATANTIA	CRANGON DALLI	2	0
	HEPTACARPUS BREVIROSTRIS	57	10
	HEPTACARPUS STIMPSONI	4	0
	HEPTACARPUS STYLUS	19	5
	HIPPOLYTE CLARKI	42	10
	NATANTIA ZOEA	176	10
OSTRACODA	OSTRACODA SPECIES	24	0
PHOLIDAE	APODICHTHYS FLAVIDUS	1	0
SCORPAENIDAE	SEBASTES SPECIES	4	0

LOCATION - DEER YEAR - 1980 MONTH - 8 DAY - 29 SAMPLE VOLUME - 60 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AGONIDAE	AGONOPSIDAE SPECIES	1	0
BRACHYURA	BRACHYURA ZOEA	208	0
CALANOIDA	CALANOID COPEDID	336	0
	CALANUS GLACIALIS	80	0
	CALANUS PACIFICUS	272	0
	EPILABIDOCERA AMPHITRITES	48	0
	PARACALANUS PARVIS	16	0
	PSEUDOCALANUS MINUTUS	240	0
	TORTANUS DISCAUDATUS	752	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
CHAETOGNATHA	EUKRONIA HAMATA	304	0
CIRRIPEDIA	BARNACLE NAUPLII	128	0
CLADOCERA	EVADNE NORMANI	32	0
	PODON POLYPHEMOIDES	32	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	17	0
	CORYNE TUBULOSA	64	0
	OBELIA SPECIES	32	0
COTTIDAE	COTTID SPECIES	3	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	569	65
FISH	FISH EGGS	16	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	16	0
GAMMARIDEA	AMPHITHOE LINDBERGI	48	0
	HYALE FREQUENS	144	0
	ISCHYROCERUS ANGUIPES	48	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	0
HYDROID COLONY	HYDROID COLONY	1	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	32	0
MOLLUSCA	LOLIGO OPALESCENS	3	0
	NOTOACMEA SCUTUM	4	0
NATANTIA	HEPTACARPUS STYLUS	2	0
	NATANTIA ZOEA	1120	25
SCORPAENIDAE	SEBASTES SPECIES	4	0

LOCATION - DEER YEAR - 1980 MONTH - 8 DAY - 29 SAMPLE VOLUME - 44 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	272	5
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	1088	0
	CALANUS GLACIALIS	144	0
	CALANUS PACIFICUS	2128	20

	EPILABIDOCERA AMPHITRITES	1776	10
	PARACALANUS PARVIS	64	0
	PSEUDOCALANUS MINUTUS	192	0
	TORTANUS DISCAUDATUS	2352	20
CAPRELLIDEA	CAPRELLA EQUILIBRIA	96	0
	CAPRELLA LEVIUSCULA	16	0
CHAETOGNATHA	EUKRONIA HAMATA	816	10
CIRRIPEDIA	BARNACLE NAUPLII	64	0
CLADOCERA	EVADNE NORMANI	384	0
	PODON POLYPHEMOIDES	160	0
CNIDARIA	BLACKFORDIA SPECIES	5	30
	CORYNE TUBULOSA	1	0
	OBELIA SPECIES	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	48	0
FISH	FISH EGGS	64	0
GAMMARIDEA	AMPHITHOE LINDBERGI	48	0
	HYALE FREQUENS	32	0
	ISCHYROCERUS ANGUIPES	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	64	0
	PORCELLIDIUM SPECIES	16	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA UROTOMA	16	0
	PENTIDOTEA RESECTA	17	0
MOLLUSCA	LIMPET SPECIES	16	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	0
	NATANTIA ZOEA	576	5
UNIDENTIFIED	UNIDENTIFIED TAXON	32	0

LOCATION = DEER YEAR = 1980 MONTH = 8 DAY = 29 SAMPLE VOLUME = 96 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	16	0
	PUGETTIA RICHII	1	5
CALANOIDA	CALANUS PACIFICUS	16	0
	TORTANUS DISCAUDATUS	80	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	64	0
	CAPRELLA LEVIUSCULA	16	0
CHAETOGNATHA	EUKRONIA HAMATA	32	0
CLADOCERA	EVADNE NORMANI	32	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	CORYNE TUBULOSA	16	0
COTTIDAE	ARTEDIUS SPECIES	1	0
	CLINOCOTTUS EMBRYUM	2	0
	SYNCHIRUS GILLI	1	0
GAMMARIDEA	AMPHITHOE LINDBERGI	222	10
	HYALE FREQUENS	816	0
	HYALE GRANDECORNIS	64	0
	ISCHYROCERUS ANGUIPES	832	10
	PARAPLEUSTES PUGETTENSIS	32	0
	PLEUSTES SPECIES	16	0
	PONTOGENEIA INERMIS	16	0

GOBIESOCIDAE	GOBIESOX MAEANDRICUS	4	5
HARPACTICOIDA	HARPACTICOID SPECIES	3376	5
	PORCELLIDIUM SPECIES	592	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	80	0
	PENTIDOTEA RESECTA	34	5
NATANTIA	HEPTACARPUS BREVIROSTRIS	41	20
	HEPTACARPUS CARINATUS	3	0
	HEPTACARPUS STIMPSONI	1	0
	HEPTACARPUS STYLUS	36	10
	HIPPOLYTE CLARKI	77	20
	NATANTIA ZOEA	48	0
OSTRACODA	OSTRACODA SPECIES	320	0
PHOLIDAE	XERXERPES FUCORUM	1	10
SPIRORBIDAE	SPIRORBIDAE SPECIES	16	0

LOCATION = DEER YEAR = 1980 MONTH = 8 DAY = 29 SAMPLE VOLUME = 63 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	40	0
CALANOIDA	AETEDIUS ARMATUS	32	0
	CALANOID COPEDID	224	0
	CALANUS GLACIALIS	8	0
	CALANUS PACIFICUS	336	10
	EPILABIDOCERA AMPHITRITES	48	0
	METRIDIA PACIFICA	8	0
	PARACALANUS PARVIS	40	0
	PSEUDOCALANUS MINUTUS	16	0
	TORTANUS DISCAUDATUS	88	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	56	0
CHAETOGNATHA	EUKRONIA HAMATA	184	0
CIRRIPEDIA	BARNACLE CYPRIS	8	0
	BARNACLE NAUPLII	72	0
CLADOCERA	EVADNE NORMANI	840	5
	PODON POLYPHEMOIDES	224	0
CNIDARIA	CORYNE TUBULOSA	9	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	24	0
FISH	FISH EGGS	32	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	AMPHITHOE LINDBERGI	280	10
	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	1288	40
	HYALE GRANDECORNIS	208	10
	ISCHYROCERUS ANGUIPES	112	0
	MELITA SPECIES	8	0
	PLEUSTES SPECIES	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	1000	0
	PORCELLIDIUM SPECIES	16	0
HYDROID COLONY	HYDROID COLONY	1	0

HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	48	0
	IDOTEA UROTOMA	200	5
	PENTIDOTEA RESECTA	73	10
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	LACUNA CARINATA	8	0
	TURBONILLA VALDEZI	8	0
NATANTIA	HEPTACARPUS CARINATUS	2	0
	HEPTACARPUS STYLUS	1	0
	HIPPOLYTE CLARKI	23	10
	NATANTIA ZOEA	72	0
OSTRACODA	OSTRACODA SPECIES	24	0
POLYCHAETA	POLYCHAETA SPECIES	8	0

LOCATION = DEER YEAR = 1980 MONTH = 9 DAY = 23 SAMPLE VOLUME = 44 ML
ON THE BOTTOM SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	12	0
CALANOIDA	AETEDIUS ARMATUS	8	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	64	0
	TORTANUS DISCAUDATUS	556	10
CHAETOGNATHA	EUKRONIA HAMATA	36	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	86	60
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	52	0
GAMMARIDEA	AMPHITHOE LINDBERGI	4	0
	HYALE FREQUENS	20	3
	ISCHYROCERUS ANGUIPES	16	2
	MELITA SPECIES	4	0
	PARAPLEUSTES PUGETTENSIS	20	0
	PLEUSTES SPECIES	36	3
	PONTOGENEIA ROSTRATA	8	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	64	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	4	0
	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	AMPHISSA VERSICOLOR	2	0
	LACUNA CARINATA	16	0
	MARGARITES HELICINUS	30	0
	MARGARITES PUPILLIS	16	0
	NUCULA SPECIES	1	0
	PODODESMUS CEPIO	1	0
	TACHYRHYNCHUS LACTEOLUS	1	0
	TURBONILLA VALDEZI	4	0
MYSIDACEAE	MYSID SPECIES	4	0
	NEOMYSIS AWATSCHENSIS	4	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	51	15

	HEPTACARPUS STIMPSONI	10	5
	HEPTACARPUS STYLUS	1	0
	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	36	2

LOCATION = DEER YEAR = 1980 MONTH = 9 DAY = 23 SAMPLE VOLUME = 21 ML
AT THE SURFACE SEAWARD OF KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA ZOEA	8	0
CALANOIDA	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	12	0
	CALANUS PACIFICUS	8	0
	PARACALANUS PARVIS	4	0
	PSEUDOCALANUS MINUTUS	4	0
	TORTANUS DISCAUDATUS	116	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
CHAETOGNATHA	EUKRONIA HAMATA	12	0
CNIDARIA	CORYNE TUBULOSA	1	0
COTTIDAE	SYNCHIRUS GILLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	20	5
FISH	FISH EGGS	12	0
GAMMARIDEA	AMPHITHOE LINDBERGI	32	0
	HYALE FREQUENS	168	30
	HYALE GRANDECORNIS	12	3
	ISCHYROCERUS ANGUIPES	28	5
	PONTOGENEIA ROSTRATA	12	2
	STENOTHOE SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	36	0
	PORCELLIDIUM SPECIES	56	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	76	3
	IDOTEA UROTOMA	60	2
	PENTIDOTEA RESECTA	32	30
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	LACUNA CARINATA	4	0
NATANTIA	HEPTACARPUS CARINATUS	1	0
	HEPTACARPUS STIMPSONI	6	10
	HEPTACARPUS STYLUS	2	5
	NATANTIA ZOEA	16	0
OSTRACODA	OSTRACODA SPECIES	4	0

LOCATION = DEER YEAR = 1980 MONTH = 9 DAY = 23 SAMPLE VOLUME = 170 ML
ON THE BOTTOM IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	32	0
BRACHYURA	PUGETTIA RICHII	1	5
CALANOIDA	PSEUDOCALANUS MINUTUS	64	0
	TORTANUS DISCAUDATUS	192	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	224	0
	CAPRELLA LEVIUSCULA	32	0
COTTIDAE	CLINOCOTTUS EMBRYUM	3	5
	SYNCHIRUS GILLI	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	64	0
GAMMARIDEA	AMPHITHOE LINDBERGI	64	0
	HYALE FREQUENS	448	0
	HYALE GRANDECORNIS	160	0
	ISCHYROCERUS ANGUIPES	3136	15
	PARAPLEUSTES PUGETTENSIS	64	0
	PONTOGENEIA ROSTRATA	672	0
	STENOTHOE SPECIES	32	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	4	5
HARPACTICOIDA	HARPACTICOID SPECIES	4096	5
	PORCELLIDIUM SPECIES	96	0
HYDROID COLONY	HYDROID COLONY	1	0
ISOPODA	IDOTEA RUFESCENS	64	0
	IDOTEA UROTOMA	96	0
	PENTIDOTEA RESECTA	65	5
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	MITRELLA CARINATA	1	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	54	0
	HEPTACARPUS CARINATUS	12	10
	HEPTACARPUS STIMPSONI	36	0
	HEPTACARPUS STYLUS	70	10
	HIPPOLYTE CLARKI	274	40
	NATANTIA ZOEA	416	0
	PANDALOPSIS DISPAR	1	0
OSTRACODA	OSTRACODA SPECIES	256	0
PHOLIDAE	XERXERPES FUCORUM	1	0
SPIRORBIDAE	SPIRORBIDAE SPECIES	32	0

LOCATION = DEER YEAR = 1980 MONTH = 9 DAY = 23 SAMPLE VOLUME = 32 ML
AT THE SURFACE IN THE KELP

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	8	0
BRACHYURA	BRACHYURA ZOEA	48	0
CALANOIDA	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	48	0
	CALANUS PACIFICUS	8	0

	EPILABIDOCERA AMPHITRITES	8	0
	METRIDIA PACIFICA	8	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	40	0
	TORTANUS DISCAUDATUS	392	10
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	24	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
COTTIDAE	SYNCHIRUS GILLI	3	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	5
GAMMARIDEA	AMPHITHOE LINDBERGI	72	0
	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	72	0
	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	PORCELLIDIUM SPECIES	168	0
HYDROID COLONY	HYDROID COLONY	1	0
HYPERIDEA	PARATHEMISTO SPECIES	24	0
ISOPODA	IDOTEA RUFESCENS	40	0
	IDOTEA UROTOMA	32	0
	PENTIDOTEA RESECTA	24	5
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	LACUNA CARINATA	24	0
	MITRELLA GOULDI	3	0
NATANTIA	HEPTACARPUS CARINATUS	7	20
	HEPTACARPUS STYLUS	15	40
	HIPPOLYTE CLARKI	13	10
	NATANTIA ZOEA	96	0
OSTRACODA	OSTRACODA SPECIES	8	0

Volume

3

Plankton of Southwestern Queen Charlotte Strait Shallow Nearshore Habitats:

III Non-Kelp habitats

by

E. A. Black and R. P. Chandler

Province of British Columbia
Ministry of Environment
Fisheries Branch

Fisheries Data Report No. 6
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November, 1984

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Canadian Cataloguing in Publication Data

INTRODUCTION

This is the last of three data reports in which are compiled the plankton data collected by the British Columbia Ministry of Environment's Kelp-Fish Interaction Program. These data were collected during 1980 and 1981 from eight shallow (less than 10 m) nearshore sites in the southwestern Queen Charlotte Strait area. Data from these sites are separated into three reports each describing the plankton in one of the following habitat types; commercial *Nereocystis leutkeana* (Mertens) Postells and Ruprecht, commercial *Macrocystis integrifolia* Bory or non-kelp habitats. Herein are data from the non-kelp sites.

Figure 1 illustrates the locations of sites used in this study, the commercial *Nereocystis* sites are labelled Graeme Point, *Nereocystis* site C and *Nereocystis* site H. Commercial *Macrocystis* habitats are labelled Deer Island and Airport *Macrocystis*, and the non-kelp habitat sites are named Bear Cove, Beaver Harbour and North Airport.

METHODS

The plankton net used to collect samples had a mouth diameter of 55 cm and a mesh size of 500 microns (Figure 2). This net was towed from the bow of a small boat moving in reverse. Surface and bottom tows were made at all sites, as well as landward, within and seaward of any kelp bed present. A 30 m tow rope was used for surface tows. The net was towed just beneath the surface such that the front of the net caused a surface wake. For bottom tows, the length of tow line varied being just long enough for the tow line to jerk gently as the tow skimmed the bottom. A 6.8 kg lead cannonball weight at the end of a 30 cm line secured to the apex of the towing harness prevented the net from dredging the bottom yet held the net close to the substrate.

Standardization of towing effort was not possible as a variety of towing boats were employed; however all 1980 tows were conducted for five minutes with a boat towing at idle. Towing was standardized in 1981 as follows. Tows were done from a single vessel with the tow conducted using a 30 m tow rope and with the boat's engine in reverse and running at 1000 rpm. The duration of tows was five minutes. When removed from the water the net was rinsed from the outside with filtered seawater to wash organisms adhering to the net into the collection bucket. The collection bucket was rinsed into the sample jar with filtered seawater. Due to mechanical failure on May 23, 1981, the engine in the tow boat was changed from a 70 hp. to a 50 hp. engine and this engine was used for the rest of the season.

Samples collected were split with a Folsom's plankton sampler and a subsample of organisms volumetrically greater than 5 ml in 1980 and greater than 10 ml in 1981 were identified. In addition, large plankters and fish larvae not sampled in the random split were enumerated. Random split data was then multiplied by the inverse of the fraction of the total sample it represented and combined with data on large organisms in the sample to produce the description of each plankton sample found on the following pages.

Data were stored on an I.B.M. model 3081 computer using the SAS Institute's 1979 edition of their Statistical Analysis System software.

Appendix I lists the taxonomic references used to identified the organisms found in the plankton tows.

DATA PRESENTATION

The data are presented in two sections. Appendix II lists alphabetically by taxa and final identification all of the organisms found by tows made in the non-kelp habitats. Appendix III contains the data from each of the tows. The tows are listed alphabetically by site name and then in chronological order.

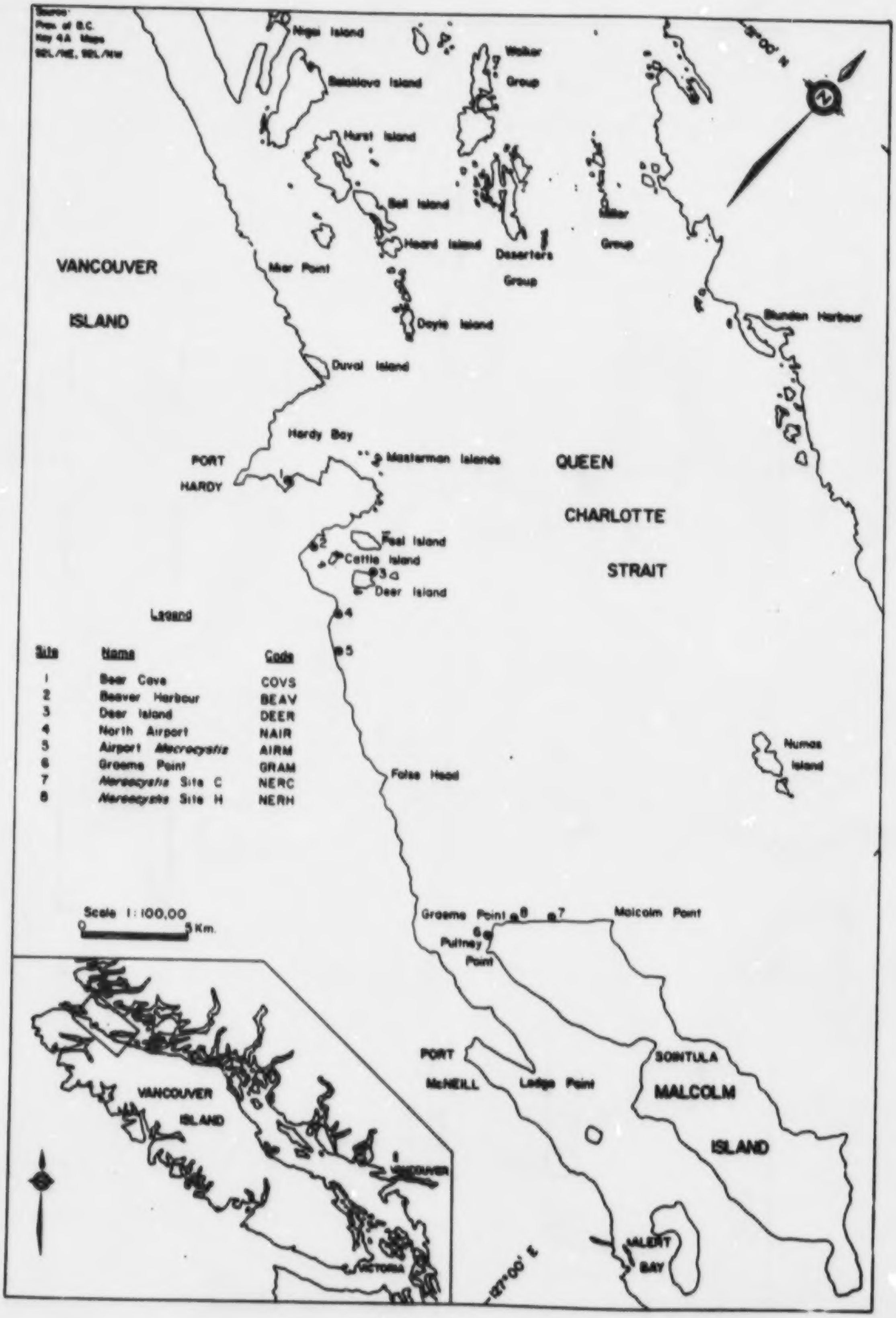
Each tow is identified by its location, year, month, day, position in the water column, and horizontal relation to any kelp bed present. The vertical positions were surface (S) and bottom (B). The horizontal relations to kelp were: along the landward edge (L); within the bed (W); along the seaward edge of the bed (S); or no bed was present (N).

The data for each taxa found in a tow are the percent volume and the number of individuals. Percent volume is the portion of the total volume of organisms by the indicated taxa. Number of individuals is the total estimated number arrived at according to the process mentioned earlier.

ACKNOWLEDGEMENTS

This quantity of data and precision of records could not have been achieved without the dedicated efforts of many people. We wish to especially acknowledge the efforts of Dr. C. J. Low who spent many long tedious hours ensuring his taxonomic identifications were accurate. Messrs. Steve Norton, Keith Trueman and Gordon Pattie ensured samples were consistently and correctly labeled in the field and that the data was faithfully transcribed to computer files.

Figure 1. Location of plankton tow sampling sites. The codes noted on the map are used in the body of the report to show the location at which each sample was taken.

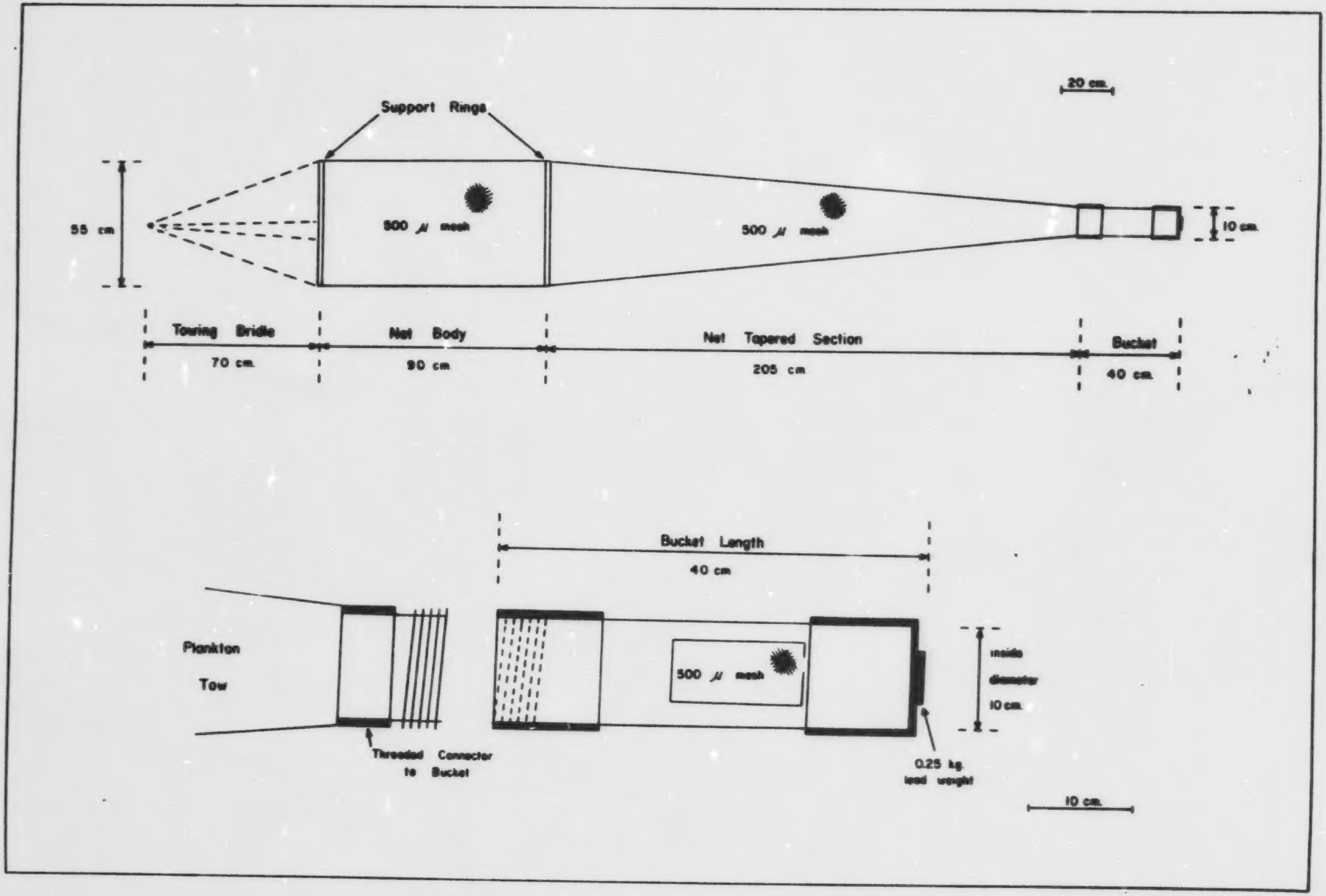


Source:
Prov. of B.C.
Key 4A Maps
92L/NE, 92L/NW
Nigei Island
Balaklava Island
Hurst Island
Bell Island
Heard Island
Walker Group
Deserters Group
Millar Group
Blunden Harbour
VANCOUVER ISLAND
Mier Point
Doyle Island
Duval Island
Hardy Bay
PORT HARDY
Masterman Islands
QUEEN CHARLOTTE STRAIT
Peel Island
Cattle Island
Deer Island
1
2
3
4
5
6
7
8
False Head
Numas Island
Graeme Point
Malcolm Point
Pulteney Point
PORT McNEILL
Lady Point
SOINTULA
MALCOLM ISLAND
ALERT BAY
51°00' N
127°00' E
Scale 1:100,00
0
5 Km.
VANCOUVER ISLAND
VANCOUVER
VICTORIA

Legend

Site	Name	Code
1	Bear Cove	COVS
2	Beaver Harbour	BEAV
3	Deer Island	DEER
4	North Airport	NAIR
5	Airport *Macrocystis*	AIRM
6	Graeme Point	GRAM
7	*Nereocystis* Site C	NERC
8	*Nereocystis* Site H	NERH

Figure 2. Diagram of the plankton net used to collect samples.


20 cm.
Support Rings
55 cm
500 μ mesh
500 μ mesh
10 cm.
Towing Bridle
70 cm.
Net Body
90 cm.
Net Tapered Section
205 cm
Bucket
40 cm.
Bucket Length
40 cm
Plankton
Tow
500 μ mesh
inside
diameter
10 cm.
Threaded Connector
to Bucket
0.25 kg.
lead weight
10 cm.

APPENDIX I.

Taxonomic References

References Used in Identifying Taxa

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APPENDIX II

List of Organisms Captured

Organisms Identified in Plankton Tows

Acari	Acari species
Aeolid	Aeolid species
Agonidae	Agonopsidae species
	Odontopyxis *trispinosa*
Anomura	Anomura zoea
	Pagurus *beringanus*
	Pagurus *caurinus*
	Pagurus species
Arachnida	Arachnida species
Aulorhynchidae	*Aulorhynchus* *flavidus*
Bothidae	*Citharichthys* *stigmaeus*
Brachyura	Brachyura megalops
	Brachyura zoea
	Cancer *oregonensis*
	Cancer *productus*
	Hemigrapsus *nudus*
	Pugettia *gracilis*
	Pugettia *richii*
	Telmessus *cheiragonus*
Bryozoa	*Cyphonautes* larva
Calanoida	*Acartia* *longiremus*
	Acartia species
	Aetedius *armatus*
	Aetedius species
	Calanoid copedid
	Calanoid nauplii
	Calanoid species
	Calanus *glacialis*
	Calanus *pacificus*
	Calanus *plumchrus*
	Centrophages *abdominalis*
	Epilabidocera *amphitrites*
	Eucalanus *bungi* *bungi*
	Eurytemora *americana*
	Eurytemora *hirundoides*
	Metridia *pacifica*
	Microcalanus *pygmaeus*
	Monstrilla species
	Paracalanus *parvis*
	Pseudocalanus *minutus*

	Scaphocalanus brevicornis
	Scolocithricella minor
	Tortanus discaudatus
Calicoida	*Caligus* species
Caprellidea	*Caprella equilibria*
	Caprella leviuscula
	Caprella Species
	Carprellidae species
	Tritella pilimana
Chaetognatha	Chaetognatha species
	Eukronia hamata
	Sagitta species
Cirripedia	*Balanus crenatus*
	Balanus species
	Barnacle cypris
	Barnacle nauplii
	Cypris larva
Cladocera	*Evadne normani*
	Podon polyphemoides
Clupeidae	*Clupea harengus pallasi*
	Clupeid eggs
	Clupeid larvae
Cnidaria	*Actinaria* species
	Aeolida papilosa
	Aglantha digitale
	Blackfordia species
	Cnidaria species
	Corymorpha aurata
	Coryne princeps
	Coryne tubulosa
	Dipluerosoma typicum
	Euphysa species
	Euphysa tentaculata
	Hydractinia species
	Obelia longissima
	Obelia species
	Perigonium yoldia-arctica
	Perigonium brevicornis
	Polyorchis karafutoensis
	Rathkea octopunctata
	Solmissus marshalli
	Tubularia christinae
	Tubularia prolifer
Colembola	Colembola species

Coleoptera	Coleoptera larvae
	Staphylinidae species
Cottidae	*Artedius* species
	Asmichthys taylori
	Blepsias cirrhosus
	Cottid species
	Hemilepidotus hemilepidotus
	Leptocottus armatus
	Oligocottus rimensis
	Synchirus gilli
Ctenophora	*Pleurobranchia bachei*
Cumaceae	*Cumella* species
	Diastylis species
	Diastylopsis species
	Lamprops quadriplicata
	Leptocuma species
Cyclopoida	*Clausidium vancouverense*
	Cyclopodia species
	Oithona spinirostris
	Oncaea borealis
Cyclopteridae	Cyclopteridae species
	Liparis florae
	Liparis species
Fish	Fish eggs
	Fish larvae
	Fish species
Foraminiferidia	*Cibicides* species
	Elphidiella species
	Foraminiferidia species
	Milliamina species
Gadidae	*Gadus macrocephalus*
	Microgadus proximus
	Theragra chalogramma
Gammaridea	*Allorchestes angustus*
	Ampelisca pugetica
	Amphithoe lacertosa
	Amphithoe linbergi
	Anisogammarus pugettensis
	Anonyx species
	Aoroides columbiae
	Calliopiella pratti
	Calliopiella species

	Calliopius laeviusculus
	Corophium species
	Dexamonica collingi
	Dexamonica species
	Eohaustorius washingtonianus
	Foxiphalus similis
	Hippomedon species
	Hyale frequens
	Hyale grandecornis
	Ischyrocerus anguipes
	Laetmatophilus species
	Melita species
	Monoculoides species
	Odius species (Caranata group)
	Paraphoxis abronius-epistomus
	Paraphoxis species
	Prapleustes pugettensis
	Photis brevipes
	Pleusirus secorrus
	Pleustes species
	Pleustes species (Panopla group A)
	Pleustes species group D
	Pleustes species group E
	Pontogeneia inermis
	Pontogeneai intermedia
	Pontogeneia ivanovi
	Pontogeneia rostrata
	Protomedia species
	Stenothoe species
	Synchilidium shoemakeri
	Westwoodilla caecula
Gobiesocidae	*Gobiesox maeandricus*
Harpacticoida	Harpacticoid species
	Harpacticus species
	Porcellidium sarsi
	Porcellidium species
	Tetragoniceps species
Hirudinea	*Hirudinea* species
Hydroid colony	Hydroid colony
Hyperidea	Hyperidae species
	Parathemisto species
Insecta	Aphididae species
	Chironimidae adult
	Chironomidae larvae
	Diptera adult
	Ephydridae species

	Formicidae species
	Hymenoptera adults
Isopoda	*Eusymmerus* species
	Gnathia species
	Gnorimosphaeroma oregonensis
	Idotea gracillima
	Idotea ochotensis
	Idotea rufescens
	Idotea species
	Idotea urotoma
	Isopoda species
	Munna stephesoni
	Pentidotea resecta
Larvacea	*Oikopleura dioica*
Medusae	*Calycopris* species
Mollusca	*Aglaja diomedea*
	Amphissa versicolor
	Calliostoma ligatum
	Clinocardium nuttallii
	Clinocardium species
	Collisella species
	Crepidula lingulata
	Crepidula perforans
	Cumanotus beaumont
	Dirona albolineata
	Eubranchus olivaceus
	Galeomataceae
	Gastropoda juvenile
	Gastropoda species
	Hiatella arctica
	Lacuna carinata
	Lacuna variegata
	Limacina species
	Loligo opalescens
	Macoma secta
	Margarites helicinus
	Margarites pupillis
	Melanochlamys diomedia
	Melibe leonina
	Mitrella carinata
	Mitrella gouldi
	Mollusca species
	Mytilus edulis
	Notoacmea scutum
	Octopus leioderma
	Odostomia tenuischulpta

	Oenopota levidensis
	Pelecypoda juvenile
	Pododesmus cepio
	Searlsia dira
	Tegula pulligo
	Turbonilla valdezi
Mysidaceae	*Acanthomysis davisi*
	Acanthomysis macropsis
	Acanthomysis nephrophthalmus
	Acanthonysis pseudomacropsis
	Acanthomysis sculpta
	Mysid species
Natantia	*Crangon dalli*
	Crangon species
	Eualis biunguis
	Heptacarpus brevirostris
	Heptacarpus carinatus
	Heptacarpus stimpsoni
	Heptacarpus stylus
	Hippolyte clarki
	Hippolyte species
	Natantia species
	Natantia zoea
	Pandalus danae
	Pandalus hypsinotus
	Pandalus tridens
	Rhynocrangon alata
	Spirontocaris ochotensis
Nebaliacea	*Nebalia bipes*
Nematoda	Nematoda species
Nemertea	Hoplonemertea
Ostracoda	Ostracoda species
Pholidae	*Apodichthys flavidus*
	Pholidae species
	Pholis laeta
	Xerxerpes fucorum
Plecoptera	Plecoptera adult
Pleuronectidae	*Lepidopsetta bilineata*
	Parophrys vetulus
	Pleuronichthys egg

Polychaeta	Arabellidae species
	Armandia brevis
	Autolytus species
	Capitella capitata
	Cirratulidae species
	Eteone species
	Gyptis species
	Hessionidae species
	Lepidonotus squamatus
	Maldanidae species
	Nephtydae species
	Nereis species
	Peisidice species
	Phyllodoce species
	Polychaeta species
	Polynoida species
	Protodorvillea species
	Scoloplos pugettensis
	Spionidae species
Scorpaenidae	*Sebastes* species
Stichaeidae	*Phytichthys chirus*
	Stichaeidae species
Syngnathidae	*Syngnathus griseolineata*
Tanaidacea	*Leptognathia gracilis*
Trochophore	Trocophore larvae
Turbellaria	Turbellaria species
Unidentified	Unidentified taxon

APPENDIX III

Plankton Tow Data

LOCATION = BEAV YEAR = 1980 MONTH = 6 DAY = 3 SAMPLE VOLUME = 120 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	2	0
BRACHYURA	BRACHYURA ZOEA	224	0
	PUGETTIA RICHII	1	0
CALANOIDA	CALANUS PACIFICUS	16	0
	CENTROPHAGES ABDOMINALIS	432	5
	EPILABIDOCERA AMPHITRITES	16	0
	PARACALANUS PARVIS	32	0
	PSEUDOCALANUS MINUTUS	144	0
	TORTANUS DISCAUDATUS	16	0
	TORTANUS DISCAUDATUS	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	80	0
	CAPRELLA SPECIES	1	0
CIRRIPEDIA	BALANUS CRENATUS	1	0
CLADOCERA	PODON POLYPHEMOIDES	224	0
CNIDARIA	CORYNE TUBULOSA	48	0
	POLYORCHIS KARAFUTOENSIS	1	0
	RATHKEA OCTOPUNCTATA	16	0
COTTIDAE	LEPTOCOTTUS ARMATUS	3	5
	OLIGOCOTTUS RIMENSIS	2	5
CUMACEAE	DIASTYLOPSIS SPECIES	48	0
	LAMPROPS QUADRIPLICATA	1296	5
FISH	FISH EGGS	1	0
GAMMARIDEA	ANISOGAMMARUS PUGETTENSIS	208	5
	CALLIOPIELLA PRATTI	1008	10
	EOHAUSTORIUS WASHINGTONIANUS	192	5
	ISCHYROCERUS ANGUIPES	128	0
	PONTOGENEIA INERMIS	80	0
ISOPODA	IDOTEA OCHOTENSIS	18	10
	PENTIDOTEA RESECTA	24	10
MOLLUSCA	AGLAJA DIOMEDEA	2	0
	GALEOMATACEAE (SUPERFAMILY)	4320	10
	LACUNA CARINATA	32	0
	LACUNA VARIEGATA	128	0
	LIRULARIA SPECIES	64	0
	MACOMA SECTA	2	0
	MITRELLA CARINATA	16	0
	MITRELLA GOULDI	48	0
NATANTIA	CRANGON DALLI	16	0
	HEPTACARPUS BREVIROSTRIS	16	0
	HEPTACARPUS CARINATUS	1	0
	HEPTACARPUS STYLUS	19	10
	HIPPOLYTE SPECIES	16	0
	NATANTIA SPECIES	16	0
PHOLIDAE	PHOLIS LAETA	1	5
PLEURONECTIDAE	PAROPHRYS VETULUS	1	5
POLYCHAETA	GYPTIS SPECIES	16	0
	MALDANIDAE SPECIES	1	0
	NEREIS SPECIES	48	0
	SPIONIDAE SPECIES	2	0

LOCATION = BEAV YEAR = 1980 MONTH = 6 DAY = 3 SAMPLE VOLUME = 35 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
PLEURONECTIDAE	PLEURONICHTHYS EGG	8	50
SCORPAENIDAE	SEBASTES SPECIES	1	50

LOCATION = BEAV YEAR = 1980 MONTH = 6 DAY = 11 SAMPLE VOLUME = 42 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	16	0
BRACHYURA	BRACHYURA ZOEA	4480	20
CALANOIDA	CALANOID COPEDID	32	0
	CALANOID SPECIES	16	0
	CALANUS PACIFICUS	16	0
	CENTROPHAGES ABDOMINALIS	128	0
	PARACALANUS PARVIS	16	0
	PSEUDOCALANUS MINUTUS	64	0
CIRRIPEDIA	BARNACLE CYPRIS	32	0
	BARNACLE NAUPLII	1040	5
CLADOCERA	EVADNE NORMANI	176	2
	PODON POLYPHEMOIDES	272	3
CNIDARIA	BLACKFORDIA SPECIES	32	0
	CORYNE TUBULOSA	793	20
	OBELIA LONGISSIMA	1	0
	POLYORCHIS KARAFUTOENSIS	1	0
	RATHKEA OCTOPUNCTATA	976	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
FISH	FISH EGGS	112	0
GAMMARIDEA	PONTOGENEIA INERMIS	16	0
	PONTOGENEIA ROSTRATA	192	0
ISOPODA	IDOTEA OCHOTENSIS	1	0
	IDOTEA UROTOMA	16	0
	ISOPODA SPECIES	16	0
	PENTIDOTEA RESECTA	9	20
LARVACEA	OIKOPLEURA DIOICA	320	0
MOLLUSCA	LACUNA CARINATA	118	0
	LIMACINA SPECIES	32	0
	MOLLUSCA SPECIES	1	0
NATANTIA	EUALIS BIUNGUIS	27	25
	HEPTACARPUS BREVIROSTRIS	2	0
	HEPTACARPUS CARINATUS	1	0
	HEPTACARPUS STYLUS	1	0
	NATANTIA ZOEA	16	0
POLYCHAETA	NEREIS SPECIES	3	0

LOCATION = BEAV YEAR = 1980 MONTH = 6 DAY = 11 SAMPLE VOLUME = 22 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	1558	45
	HEMIGRAPSUS NUDUS	1	10
CALANOIDA	CALANOID COPEDID	20	0
	CALANOID SPECIES	2	0
	CALANUS PACIFICUS	6	0
	CENTROPHAGES ABDOMINALIS	60	0
	MICROCALANUS PYGMAEUS	2	0
	PARACALANUS PARVIS	6	0
	PSEUDOCALANUS MINUTUS	10	0
CIRRIPEDIA	BARNACLE CYPRIS	52	0
	BARNACLE NAUPLII	338	5
CLADOCERA	EVADNE NORMANI	360	5
	PODON POLYPHEMOIDES	156	0
CNIDARIA	CORYNE TUBULOSA	7	0
	RATHKEA OCTOPUNCTATA	78	10
COLEOPTERA	COLEOPTERA LARVAE	2	0
FISH	FISH EGGS	398	10
GAMMARIDEA	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA ROSTRATA	58	5
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	8	0
ISOPODA	IDOTEA UROTOMA	6	0
LARVACEA	OIKOPLEURA DIOICA	128	0
MOLLUSCA	LACUNA CARINATA	14	10
	LACUNA VARIEGATA	2	0
	LIMACINA SPECIES	18	0
	MITRELLA CARINATA	3	0
NATANTIA	EUALIS BIUNGUIS	1	0
	HEPTACARPUS CARINATUS	1	0
	NATANTIA ZOEA	6	0
PHOLIDAE	PHOLIS LAETA	1	0
POLYCHAETA	NEREIS SPECIES	1	0

LOCATION = BEAV YEAR = 1980 MONTH = 7 DAY = 20 SAMPLE VOLUME = 790 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	1	0
ANOMURA	ANOMURA ZOEA	64	0
BOTHIDAE	CITHARICHTHYS STIGMAEUS	1	5
BRACHYURA	BRACHYURA MEGALOPS	64	0
	BRACHYURA ZOEA	1024	0
	PUGETTIA RICHII	3	0
CALANOIDA	CALANUS GLACIALIS	64	0

	PSEUDOCALANUS MINUTUS	2752	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	192	0
CIRRIPEDIA	BALANUS CRENATUS	1	0
CLADOCERA	PODON POLYPHEMOIDES	192	0
CNIDARIA	POLYORCHIS KARAFUTOENSIS	1	0
CUMACEAE	DIASTYLOPSIS SPECIES	64	0
	LAMPROPS QUADRIPLICATA	320	0
FISH	FISH EGGS	64	0
GAMMARIDEA	CALLIOPIELLA PRATTI	64	0
	DEXAMONICA (ATYLUS) COLLINGI	64	0
	ISCHYROCERUS ANGUIPES	1728	0
	PONTOGENEIA ROSTRATA	1728	0
	SYNCHELIDIUM SHOEMAKERI	128	0
	WESTWOODILLA CAECULA	64	0
HARPACTICOIDA	HARPACTICOID SPECIES	384	0
	HARPACTICUS SPECIES	384	0
	PORCELLIDIUM SPECIES	640	0
ISOPODA	IDOTEA OCHOTENSIS	164	15
	IDOTEA RUFESCENS	411	0
	IDOTEA UROTOMA	2176	0
	PENTIDOTEA RESECTA	239	30
MOLLUSCA	CALLIOSTOMA LIGATUM	1	0
	GALEOMATACEAE (SUPERFAMILY)	2240	0
	GASTROPODA SPECIES	768	0
	LACUNA CARINATA	1408	0
	MARGARITES HELICINUS	64	0
	MELIBE LEONINA	1	0
	MITRELLA GOULDI	128	0
	TURBONILLA VALDEZI	64	0
NATANTIA	CRANGON DALLI	29	0
	HEPTACARPUS BREVIROSTRIS	2048	10
	HEPTACARPUS CARINATUS	13	0
	HEPTACARPUS STYLUS	12	0
	HIPPOLYTE CLARKI	2638	30
	NATANTIA ZOEA	448	0
	PANDALUS HYPSINOTUS	1	0
NEMATODA	NEMATODA SPECIES	192	0
OSTRACODA	OSTRACODA SPECIES	128	0
PHOLIDAE	PHOLIS LAETA	3	5
POLYCHAETA	NEREIS SPECIES	35	0
STICHAEIDAE	PHYTICHTHYS CHIRUS	2	5

LOCATION = BEAV YEAR = 1980 MONTH = 7 DAY = 20 SAMPLE VOLUME = 55 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	768	0
CALANOIDA	CALANOID COPEDID	160	0
	CALANOID SPECIES	32	0
	CALANUS PACIFICUS	64	0
	EPILABIDOCERA AMPHITRITES	192	0

	METRIDIA PACIFICA	32	0
	PSEUDOCALANUS MINUTUS	7040	30
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
CLADOCERA	PODON POLYPHEMOIDES	4064	10
CNIDARIA	CORYNE TUBULOSA	32	0
	POLYORCHIS KARAFUTOENSIS	1	5
COTTIDAE	COTTID SPECIES	1	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	50
FISH	FISH EGGS	896	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	32	0
ISOPODA	IDOTEA RUFESCENS	64	0
LARVACEA	OIKOPLEURA DIOICA	32	0
NATANTIA	NATANTIA ZOEA	192	0

LOCATION = BEAV YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 32 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AGONIDAE	AGONOPSIDAE SPECIES	1	0
BRACHYURA	BRACHYURA ZOEA	192	5
CALANOIDA	CALANOID COPEDID	240	5
	CALANOID SPECIES	16	0
	CALANUS PACIFICUS	96	3
	EPILABIDOCERA AMPHITRITES	80	2
	PARACALANUS PARVIS	16	0
	PSEUDOCALANUS MINUTUS	64	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	48	5
CHAETOGNATHA	EUKRONIA HAMATA	96	5
CIRRIPEDIA	BARNACLE NAUPLII	384	5
CLADOCERA	EVADNE NORMANI	688	5
	PODON POLYPHEMOIDES	624	5
CNIDARIA	BLACKFORDIA SPECIES	16	2
	CORYNE TUBULOSA	32	3
	RATHKEA OCTOPUNCTATA	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	109	20
FISH	FISH EGGS	48	0
GAMMARIDEA	HYALE GRANDECORNIS	64	5
	ISCHYROCERUS ANGUIPES	16	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	16	0
HYDROID COLONY	HYDROID COLONY	.	15
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	48	0
LARVACEA	OIKOPLEURA DIOICA	512	10
MOLLUSCA	LACUNA CARINATA	6	5
NATANTIA	NATANTIA ZOEA	64	0
NEMATODA	NEMATODA SPECIES	16	0
POLYCHAETA	POLYCHAETA SPECIES	16	0
TROCHOPHORE	TROCOPHORE LARVA	160	0

LOCATION = BEAV YEAR = 1980 MONTH = 8 DAY = 22 SAMPLE VOLUME = 36 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	1	0
BRACHYURA	BRACHYURA ZOEA	272	5
	PUGETTIA RICHII	1	5
CALANOIDA	CALANOID COPEDID	192	5
	CALANUS PACIFICUS	160	5
	CENTROPHAGES ABDOMINALIS	32	0
	EPILABIDOCERA AMPHITRITES	256	5
	PARACALANUS PARVIS	32	0
	PSEUDOCALANUS MINUTUS	128	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	96	0
CHAETOGNATHA	EUKRONIA HAMATA	80	5
CIRRIPEDIA	BARNACLE CYPRIS	16	0
	BARNACLE NAUPLII	192	0
CLADOCERA	EVADNE NORMANI	1760	5
	PODON POLYPHEMOIDES	1232	5
CNIDARIA	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	1	10
COTTIDAE	ARTEDIUS SPECIES	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	491	20
FISH	FISH EGGS .	224	0
	FISH SPECIES	1	5
GAMMARIDEA	HYALE GRANDECORNIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	PORCELLIDIUM SPECIES	80	0
HYDROID COLONY	HYDROID COLONY	.	5
HYPERIDEA	PARATHEMISTO SPECIES	64	0
ISOPODA	IDOTEA UROTOMA	64	0
LARVACEA	OIKOPLEURA DIOICA	736	10
MOLLUSCA	LACUNA CARINATA	36	5
	NOTOACMEA SCUTUM	2	0
NATANTIA	NATANTIA ZOEA	304	5
SCORPAENIDAE	SEBASTES SPECIES	2	0
TROCHOPHORE	TROCOPHORE LARVA	256	0

LOCATION = BEAV YEAR = 1980 MONTH = 9 DAY = 19 SAMPLE VOLUME = 36 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	40	0
CALANOIDA	CALANOID COPEDID	152	0
	CALANUS PACIFICUS	28	0
	EPILABIDOCERA AMPHITRITES	8	0
	METRIDIA PACIFICA	620	10
	PSEUDOCALANUS MINUTUS	68	0
	SCAPHOCALANUS BREVICORNIS	4	0

	TORTANUS DISCAUDATUS	172	5
CHAETOGNATHA	EUKRONIA HAMATA	32	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CNIDARIA	BLACKFORDIA SPECIES	12	0
	CORYNE TUBULOSA	4	0
COTTIDAE	COTTID SPECIES	1	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	68	70
FISH	FISH EGGS	20	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	4	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	152	0
MOLLUSCA	GASTROPODA SPECIES	4	0
NATANTIA	NATANTIA ZOEA	108	5
OSTRACODA	OSTRACODA SPECIES	4	0
POLYCHAETA	POLYNOIDA SPECIES	4	0
UNIDENTIFIED	UNIDENTIFIED TAXON	24	0

LOCATION = BEAV YEAR = 1980 MONTH = 9 DAY = 19 SAMPLE VOLUME = 17 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	24	0
CALANOIDA	CALANOID COPEDID	400	10
	CALANUS PACIFICUS	32	0
	EPILABIDOCERA AMPHITRITES	24	0
	PSEUDOCALANUS MINUTUS	40	0
	TORTANUS DISCAUDATUS	1248	50
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	80	5
CNIDARIA	RATHKEA OCTOPUNCTATA	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	22	15
ISOPODA	PENTIDOTEA RESECTA	1	10
LARVACEA	OIKOPLEURA DIOICA	168	5
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	1	0
	LOLIGO OPALESCENS	2	0
NATANTIA	NATANTIA ZOEA	168	5

LOCATION = BEAV YEAR = 1981 MONTH = 3 DAY = 23 SAMPLE VOLUME = 4 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2128	100
CALANOIDA	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	16	0
	EURYTEMORA HIRUNDOIDES	6	0

	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	1	0
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
	CYPRIS LARVA	1	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	3	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	10	0
	FISH LARVAE	5	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	PONTOGENEIA INERMIS	1	0
LARVACEA	OIKOPLEURA DIOICA	94	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	1	0
	PELECYPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	37	0
NEMATODA	NEMATODA SPECIES	36	0
OSTRACODA	OSTRACODA SPECIES	1	0
PHOLIDAE	PHOLIDAE SPECIES	1	0
POLYCHAETA	CIRRATULUS SPECIES	1	0
	SCOLOPLOS PUGETTENSIS	3	0
	SPIONIDAE SPECIES	1	0

LOCATION = BEAV YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 190 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	70656	90
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANUS GLACIALIS	48	0
	EURYTEMORA HIRUNDOIDES	576	0
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	80	0
	SCOLOCITHRICELLA MINOR	16	0
CHAETOGNATHA	SAGITTA SPECIES	32	0
CIRRIPEDIA	BARNACLE NAUPLII	2144	0
CLUPEIDAE	CLUPEID EGGS	1920	0
	CLUPEID LARVAE	1536	0
CUMACEAE	DIASTYLOPSIS SPECIES	32	0
	LAMPROPS QUADRIPLICATA	96	0
FISH	FISH EGGS	48	0
	FISH LARVAE	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	16	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	48	0
	ANISOGAMMARUS PUGETTENSIS	1584	2
	CALLIOPIELLA PRATTI	288	0

	CALLIOPIUS LAEVIUSCULUS	192	0
	FOXIPHALUS SIMILIS	16	0
	ISCHYROCERUS ANGUIPES	112	0
	PONTOGENEIA INERMIS	2064	3
	SYNCHELIDIUM SHOEMAKERI	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	272	0
	HARPACTICUS SPECIES	192	0
	PORCELLIDIUM SARSI	16	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	16	0
	IDOTEA OCHOTENSIS	224	0
	PENTIDOTEA RESECTA	16	0
LARVACEA	OIKOPLEURA DIOICA	128	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	16	0
	GALEOMATACEAE (SUPERFAMILY)	16	0
	LACUNA CARINATA	912	0
	MELANOCHLAMYS DIOMEDIA	32	0
	MITRELLA CARINATA	32	0
	MITRELLA GOULDI	16	0
NATANTIA	NATANTIA ZOEA	9616	5
OSTRACODA	OSTRACODA SPECIES	16	0
POLYCHAETA	NEREIS SPECIES	16	0

LOCATION = BEAV YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 50 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	80096	40
CALANOIDA	CALANOID COPEDID	128	0
	PARACALANUS PARVIS	192	0
	PSEUDOCALANUS MINUTUS	224	0
CIRRIPEDIA	BARNACLE NAUPLII	15648	10
CLADOCERA	EVADNE NORMANI	32	0
	PODON POLYPHEMOIDES	224	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	332	40
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	8	0
	OBELIA LONGISSIMA	88	10
	RATHKEA OCTOPUNCTATA	40	0
CUMACEAE	DIASTYLOPSIS SPECIES	4	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
GAMMARIDEA	ANISOGAMMARUS PUGETTENSIS	8	0
	CALLIOPIELLA PRATTI	4	0
	DEXAMONICA (ATYLUS) COLLINGI	4	0
	EOHAUSTORIUS WASHINGTONIANUS	8	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	4	0
LARVACEA	OIKOPLEURA DIOICA	128	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	76	0
	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	100	0
	LACUNA VARIEGATA	4	0
NATANTIA	NATANTIA ZOEA	1792	0

LOCATION = BEAV YEAR = 1981 MONTH = 4 DAY = 20 SAMPLE VOLUME = 175 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	45760	90
CALANOIDA	CALANUS GLACIALIS	16	0
	EURYTEMORA HIRUNDOIDES	2608	0
	METRIDIA PACIFICA	192	0
	SCOLOCITHRICELLA MINOR	16	0
CIRRIPEDIA	BARNACLE NAUPLII	80	0
	CYPRIS LARVA	80	0
CNIDARIA	BLACKFORDIA SPECIES	32	0
COTTIDAE	BLEPSIAS CIRRHOSUS	16	0
FISH	FISH EGGS	48	0
	FISH LARVAE	16	0
GAMMARIDEA	PONTOGENEIA INERMIS	2480	0
HARPACTICOIDA	HARPACTICOID SPECIES	4848	10
	HARPACTICUS SPECIES	2880	0
ISOPODA	IDOTEA UROTOMA	16	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	LACUNA CARINATA	336	0
	TURBONILLA VALDEZI	16	0
NATANTIA	HIPPOLYTE CLARKI	160	0
	NATANTIA ZOEA	96	0
POLYCHAETA	SPIONIDAE SPECIES	48	0

LOCATION = BEAV YEAR = 1981 MONTH = 4 DAY = 20 SAMPLE VOLUME = 28 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	22784	99
CALANOIDA	ACARTIA LONGIREMUS	36	0
	AETEDIUS ARMATUS	8	0
	CALANUS GLACIALIS	8	0
	EURYTEMORA HIRUNDOIDES	152	0
	METRIDIA PACIFICA	20	0
	PSEUDOCALANUS MINUTUS	32	0
	SCOLOCITHRICELLA MINOR	28	0
CIRRIPEDIA	BARNACLE NAUPLII	1148	1
	CYPRIS LARVA	296	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	16	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	4	0
FISH	FISH LARVAE	12	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0

HARPACTICOIDA	HARPACTICOID SPECIES	12	0
LARVACEA	OIKOPLEURA DIOICA	144	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	104	0
PHOLIDAE	PHOLIDAE SPECIES	16	0
POLYCHAETA	NEREIS SPECIES	8	0
	SPIONIDAE SPECIES	32	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 18 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	4328	99
CALANOIDA	CALANUS GLACIALIS	34	0
	CENTROPHAGES ABDOMINALIS	12	0
	EUCALANUS BUNGI BUNGI	12	0
	EURYTEMORA HIRUNDOIDES	28	0
	METRIDIA PACIFICA	6	0
	PSEUDOCALANUS MINUTUS	80	0
	SCOLOCITHRICELLA MINOR	8	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	28	0
	CORYNE TUBULOSA	18	0
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	64	0
	TUBULARIA CHRISTINAE	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FISH	FISH EGGS	18	1
	FISH LARVAE	6	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	CALLIOPIUS LAEVIUSCULUS	2	0
	ISCHYROCERUS ANGUIPES	2	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	14	0
	HARPACTICUS SPECIES	44	0
LARVACEA	OIKOPLEURA DIOICA	238	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	2	0
	GASTROPODA JUVENILE	20	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
NATANTIA	NATANTIA ZOEA	264	0
PHOLIDAE	PHOLIDAE SPECIES	2	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 10 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	295	80
CALANOIDA	ACARTIA LONGIREMUS	11	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	2	5
	EURYTEMORA HIRUNDOIDES	21	3
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	16	2
	SCOLOCITHRICELLA MINOR	1	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	BLACKFORDIA SPECIES	6	0
	CORYNE TUBULOSA	4	0
	RATHKEA OCTOPUNCTATA	5	0
FISH	FISH EGGS	16	0
	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
INSECTA	HOMOPTERA SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	82	10
MOLLUSCA	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	8	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 80 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	39592	90
CALANOIDA	ACARTIA LONGIREMUS	296	0
	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	48	0
	CALANUS GLACIALIS	96	0
	CENTROPHAGES ABDOMINALIS	88	0
	EUCALANUS BUNGI BUNGI	24	0
	EURYTEMORA HIRUNDOIDES	168	0
	METRIDIA PACIFICA	40	0
	PARACALANUS PARVIS	112	0
	PSEUDOCALANUS MINUTUS	2088	5
	SCAPHOCALANUS BREVICORNIS	8	0
	TORTANUS DISCAUDATUS	56	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	48	0
CNIDARIA	CORYNE TUBULOSA	72	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	416	0

CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	32	0
HARPACTICOIDA	HARPACTICUS SPECIES	40	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
LARVACEA	OIKOPLEURA DIOICA	264	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	88	0
NATANTIA	NATANTIA ZOEA	1352	5

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 20 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	4882	95
CALANOIDA	ACARTIA LONGIREMUS	52	1
	CALANUS GLACIALIS	26	1
	CENTROPHAGES ABDOMINALIS	12	0
	EUCALANUS BUNGI BUNGI	8	0
	EURYTEMORA HIRUNDOIDES	10	0
	METRIDIA PACIFICA	14	0
	PSEUDOCALANUS MINUTUS	156	3
	SCOLOCITHRICELLA MINOR	20	0
	TORTANUS DISCAUDATUS	12	0
CHAETOGNATHA	SAGITTA SPECIES	10	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	PODON POLYPHEMOIDES	10	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	6	0
	RATHKEA OCTOPUNCTATA	26	0
	TUBULARIA PROLIFER	2	0
CYCLOPTERIDAE	LIPARIS FLORAE	4	0
FISH	FISH LARVAE	50	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	CALLIOPIELLA PRATTI	8	0
	CALLIOPIUS LAEVIUSCULUS	2	0
	ISCHYROCERUS ANGUIPES	6	0
	PLEUSTES SPECIES GROUP D	2	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	106	0
	HARPACTICUS SPECIES	44	0
	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	182	0
MOLLUSCA	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	24	0
NATANTIA	NATANTIA ZOEA	146	0
PHOLIDAE	PHOLIDAE SPECIES	2	0
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 180 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	48	0
	BRACHYURA ZOEA	784	0
	PUGETTIA RICHII	225	8
CALANOIDA	AETEDIUS ARMATUS	16	0
	EURYTEMORA AMERICANA	32928	40
	PARACALANUS PARVIS	32	0
	PSEUDOCALANUS MINUTUS	960	0
	SCAPHOCALANUS BREVICORNIS	5904	0
	TORTANUS DISCAUDATUS	1680	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	176	0
	CAPRELLA LEVIUSCULA	16	0
CNIDARIA	AEOLIDA PAPILOSA	45	0
	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	48	0
	POLYORCHIS KARAFUTOENSIS	225	3
	RATHKEA OCTOPUNCTATA	48	0
COTTIDAE	ASMICHTHYS TAYLORI	45	0
	COTTID SPECIES	16	0
CUMACEAE	DIASTYLOPSIS SPECIES	16	0
	LAMPROPS QUADRIPLICATA	112	0
CYCLOPTERIDAE	LIPARIS FLORAE	45	0
FISH	FISH LARVAE	45	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
GADIDAE	THERAGRA CHALOGRAMMA	45	0
GAMMARIDEA	CALLIOPIELLA PRATTI	16	0
	FOXIPHALUS SPECIES	48	0
	ISCHYROCERUS ANGUIPES	448	0
	MONOCULOIDES SPECIES	128	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	80	0
	PONTOGENEIA INERMIS	32	0
	PONTOGENEIA ROSTRATA	13552	40
	SYNCHELIDIUM SHOEMAKERI	816	0
HARPACTICOIDA	HARPACTICOID SPECIES	320	0
	HARPACTICUS SPECIES	576	0
ISOPODA	IDOTEA OCHOTENSIS	180	2
	PENTIDOTEA RESECTA	135	2
MOLLUSCA	AGLAJA DIOMEDEA	45	0
	GALEOMATACEAE (SUPERFAMILY)	160	0
	LACUNA CARINATA	16	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	16	0
	ACANTHOMYSIS NEPHROPHTHALMUS	224	0
NATANTIA	CRANGON SPECIES	432	2
	HEPTACARPUS BREVIROSTRIS	48	1
	HEPTACARPUS CARINATUS	45	0
	HIPPOLYTE CLARKI	256	0
	NATANTIA ZOEA	80	0
	PANDALUS DANAE	32	2
POLYCHAETA	NEREIS SPECIES	48	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 8 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	5	0
	BRACHYURA ZOEA	100	10
CALANOIDA	CALANUS GLACIALIS	2	0
	EURYTEMORA HIRUNDOIDES	1014	80
	METRIDIA PACIFICA	237	0
	MONSTRILLA SPECIES	1	0
	SCOLOCITHRICELLA MINOR	78	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	13	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	3	0
	RATHKEA OCTOPUNCTATA	23	0
CUMACEAE	DIASTYLIS SPECIES	1	0
	LAMPROPS QUADRIPLICATA	3	0
FISH	FISH EGGS	23	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	CALLIOPIUS LAEVIUSCULUS	1	0
	ISCHYROCERUS ANGUIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	103	10
	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	10	0
	HARPACTICUS SPECIES	5	0
ISOPODA	MUNNA STEPHENSONI	10	0
	PENTIDOTEA RESECTA	3	0
LARVACEA	OIKOPLEURA DIOICA	18	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	8	0
	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	2	0
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	1	0
NATANTIA	NATANTIA ZOEA	3	0
OSTRACODA	OSTRACODA SPECIES	20	0
POLYCHAETA	CIRRATULUS SPECIES	1	0
	NEREIS SPECIES	1	0
	POLYCHAETA SPECIES	1	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 23 SAMPLE VOLUME = 3 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	876	99
CALANOIDA	ACARTIA LONGIREMUS	1	0
	EUCALANUS BUNGI BUNGI	1	0
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	2	0

	TORTANUS DISCAUDATUS	4	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	13	0
	CYPRIS LARVA	1	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	9	0
	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	4	0
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	5	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	43	1
NATANTIA	NATANTIA ZOEA	1	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 130 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	9520	50
CALANOIDA	CALANUS GLACIALIS	16	0
	CENTROPHAGES ABDOMINALIS	8	0
	EUCALANUS BUNGI BUNGI	8	0
	EURYTEMORA HIRUNDOIDES	792	0
	METRIDIA PACIFICA	104	0
	PSEUDOCALANUS MINUTUS	408	0
	SCOLOCITHRICELLA MINOR	8	0
CIRRIPEDIA	BARNACLE NAUPLII	168	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	3328	40
	EUPHYSA TENTACULATA	112	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	1296	10
CUMACEAE	DIASTYLOPSIS SPECIES	8	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	16	0
FISH	FISH LARVAE	208	0
GAMMARIDEA	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	40	0
	PORCELLIDIUM SARSI	8	0
LARVACEA	OIKOPLEURA DIOICA	600	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
NATANTIA	NATANTIA ZOEA	1376	0
POLYCHAETA	SPIONIDAE SPECIES	24	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 10 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	788	40
CALANOIDA	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	8	0
	EUCALANUS BUNGI BUNGI	1	0
	EURYTEMORA HIRUNDOIDES	289	20
	METRIDIA PACIFICA	119	10
	PSEUDOCALANUS MINUTUS	130	10
	SCOLOCITHRICELLA MINOR	14	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	76	0
CLADOCERA	PODON POLYPHEMOIDES	83	0
CNIDARIA	CORYNE TUBULOSA	8	0
	RATHKEA OCTOPUNCTATA	6	0
FISH	FISH EGGS	25	0
	FISH LARVAE	20	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	3	0
	FOXIPHALUS SIMILIS	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	5	0
	HARPACTICUS SPECIES	3	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	452	20
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GALEOMATACEAE (SUPERFAMILY)	13	0
	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	1	0
	SEARLSIA DIRA	1	0
NATANTIA	NATANTIA ZOEA	25	0
POLYCHAETA	CIRRATULUS SPECIES	4	0
	PHYLLODOCE SPECIES	1	0
	SPIONIDAE SPECIES	1	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 85 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	9952	70
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANOID NAUPLII	8	0
	CENTROPHAGES ABDOMINALIS	8	0
	EURYTEMORA HIRUNDOIDES	888	0
	METRIDIA PACIFICA	112	0
	PSEUDOCALANUS MINUTUS	144	0
	SCOLOCITHRICELLA MINOR	112	0

CAPRELLIDEA	CAPRELLA EQUILIBRIA	80	0
	CAPRELLA LEVIUSCULA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	1072	0
CLADOCERA	PODON POLYPHEMOIDES	24	0
CNIDARIA	CORYNE TUBULOSA	64	0
	RATHKEA OCTOPUNCTATA	200	0
CUMACEAE	CUMELLA SPECIES	8	0
	DIASTYLIS SPECIES	8	0
	LAMPROPS QUADRIPLICATA	424	0
FISH	FISH LARVAE	8	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	424	0
GAMMARIDEA	ANONYX SPECIES	136	0
	CALLIOPIELLA PRATTI	88	0
	CALLIOPIUS LAEVIUSCULUS	8	0
	ISCHYROCERUS ANGUIPES	112	0
	LAETMATOPHILUS (PHOTIS) SPECIES	16	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	2176	20
	STENOTHOE SPECIES	8	0
	SYNCHELIDIUM SHOEMAKERI	392	0
HARPACTICOIDA	HARPACTICOID SPECIES	1160	10
	HARPACTICUS SPECIES	448	0
	PORCELLIDIUM SARSI	8	0
ISOPODA	MUNNA STEPHENSONI	80	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	360	0
	GASTROPODA JUVENILE	32	0
	LACUNA CARINATA	8	0
	MELANOCHLAMYS DIOMEDIA	8	0
	TURBONILLA VALDEZI	8	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	176	0
	ACANTHOMYSIS PSEUDOMACROPSIS	80	0
NATANTIA	NATANTIA ZOEA	632	0
NEMATODA	NEMATODA SPECIES	8	0
OSTRACODA	OSTRACODA SPECIES	968	0
POLYCHAETA	CIRRATULUS SPECIES	8	0
	NEREIS SPECIES	64	0
	SPIONIDAE SPECIES	24	0

LOCATION = BEAV YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 20 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	192	8
	PUGETTIA RICHII	1	20
CALANOIDA	ACARTIA LONGIREMUS	14	0
	CALANOID NAUPLII	4	0
	CENTROPHAGES ABDOMINALIS	4	0
	EURYTEMORA HIRUNDOIDES	438	32
	METRIDIA PACIFICA	134	0
	PSEUDOCALANUS MINUTUS	36	0

	SCOLOCITHRICELLA MINOR	30	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
	CAPRELLA LEVIUSCULA	4	0
CIRRIPEDIA	BARNACLE NAUPLII	58	4
CLADOCERA	EVADNE NORMANI	6	0
	PODON POLYPHEMOIDES	10	0
CNIDARIA	CORYNE TUBULOSA	2	0
CUMACEAE	LAMPROPS QUADRIPLICATA	4	0
FISH	FISH EGGS	56	0
	FISH LARVAE	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	70	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	FOXIPHALUS SIMILIS	2	0
	ISCHYROCERUS ANGUIPES	4	0
	LAETMATOPHILUS (PHOTIS) SPECIES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
	PONTOGENEIA INERMIS	16	4
	SYNCHELIDIUM SHOEMAKERI	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	2	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	758	32
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	44	0
	LACUNA CARINATA	4	0
	MITRELLA CARINATA	2	0
	TURBONILLA VALDEZI	6	0
NATANTIA	NATANTIA ZOEA	10	0
OSTRACODA	OSTRACODA SPECIES	26	0
POLYCHAETA	NEREIS SPECIES	2	0
	PHYLLODOCE SPECIES	2	0
	SPIONIDAE SPECIES	4	0

LOCATION = BEAV YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 120 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	3	0
BRACHYURA	BRACHYURA ZOEA	96	0
	PUGETTIA RICHII	4	0
CALANOIDA	ACARTIA LONGIREMUS	544	0
	AETEDIUS ARMATUS	128	0
	CALANUS GLACIALIS	24	0
	PSEUDOCALANUS MINUTUS	1120	4
	SCAPHOCALANUS BREVICORNIS	1336	4
	SCOLOCITHRICELLA MINOR	1848	16
	TORTANUS DISCAUDATUS	3376	24
CAPRELLIDEA	CAPRELLA EQUILIBRIA	24	0
CIRRIPEDIA	BARNACLE NAUPLII	56	0
	CYPRIS LARVA	48	0
CLADOCERA	EVADNE NORMANI	8	0
CNIDARIA	CORYNE TUBULOSA	8	0

	POLYORCHIS KARAFUTOENSIS	2	1
	RATHKEA OCTOPUNCTATA	48	0
GAMMARIDEA	CALLIOPIELLA SPECIES	24	0
	ISCHYROCERUS ANGUIPES	48	0
	PONTOGENEIA INERMIS	2456	24
	PONTOGENEIA INTERMEDIA	8	0
	PONTOGENEIA ROSTRATA	976	8
	PROTOMEDIA SPECIES	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	1000	0
	HARPACTICUS SPECIES	384	0
ISOPODA	IDOTEA OCHOTENSIS	4	2
	PENTIDOTEA RESECTA	18	6
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	GASTROPODA JUVENILE	40	0
	LACUNA CARINATA	48	0
	MARGARITES PUPILLIS	5	2
	MITRELLA CARINATA	14	4
	MITRELLA GOULDI	13	4
	TURBONILLA VALDEZI	8	0
NATANTIA	CRANGON SPECIES	24	0
	HEPTACARPUS CARINATUS	24	0
	HEPTACARPUS STYLUS	16	0
	HIPPOLYTE CLARKI	328	0
	NATANTIA ZOEA	16	0
	PANDALUS DANAE	6	1
POLYCHAETA	NEREIS SPECIES	2	0
STICHAEIDAE	STICHAEIDAE SPECIES	8	0

LOCATION = BEAV YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 60 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	60	0
BRYOZOA	CYPHONAUTES LARVA	4	0
CALANOIDA	ACARTIA LONGIREMUS	56	2
	CALANUS GLACIALIS	20	0
	EPILABIDOCERA AMPHITRITES	4	0
	PSEUDOCALANUS MINUTUS	84	3
	SCOLOCITHRICELLA MINOR	24	0
	TORTANUS DISCAUDATUS	16	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	276	0
	CYPRIS LARVA	12	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	20	2
	RATHKEA OCTOPUNCTATA	60	5
	TUBULARIA PROLIFER	32	3
CTENOPHORA	PLEUROBRANCHIA BACHEI	116	20
GAMMARIDEA	AOROIDES COLUMBIAE	4	0
	CALLIOPIELLA PRATTI	52	25

	ISCHYROCERUS ANGUIPES	12	5
	PONTOGENEIA INERMIS	68	30
	PONTOGENEIA ROSTRATA	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	24	0
	HARPACTICUS SPECIES	12	0
ISOPODA	PENTIDOTEA RESECTA	8	0
LARVACEA	OIKOPLEURA DIOICA	264	5
MOLLUSCA	GASTROPODA JUVENILE	100	0
NATANTIA	NATANTIA ZOEA	8	0
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = BEAV YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 40 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	30	0
	PUGETTIA RICHII	11	30
CALANOIDA	ACARTIA LONGIREMUS	2	1
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	6	1
	CENTROPHAGES ABDOMINALIS	2	0
	EURYTEMORA HIRUNDOIDES	8	1
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	8	1
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	12	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	RATHKEA OCTOPUNCTATA	42	7
FISH	FISH EGGS	70	7
GAMMARIDEA	ALLORCHESTES ANGUSTUS	8	0
	CALLIOPIELLA PRATTI	52	15
	ISCHYROCERUS ANGUIPES	4	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	280	15
	HARPACTICUS SPECIES	56	0
	PORCELLIDIUM SARSI	8	0
INSECTA	DIPTERA ADULT	2	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	10	0
MOLLUSCA	LACUNA CARINATA	296	21
NATANTIA	NATANTIA ZOEA	6	0
OSTRACODA	OSTRACODA SPECIES	2	0

LOCATION = BEAV YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 25 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	18	0
	BRACHYURA ZOEA	306	10
CALANOIDA	ACARTIA LONGIREMUS	20	0
	CALANOID COPEDID	4	0
	CENTROPHAGES ABDOMINALIS	2	0
	EURYTEMORA HIRUNDOIDES	54	3
	PSEUDOCALANUS MINUTUS	110	5
	SCOLOCITHRICELLA MINOR	54	2
	TORTANUS DISCAUDATUS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	10	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	4	0
FISH	FISH EGGS	8	0
	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	86	3
	ISCHYROCERUS ANGUIPES	18	0
	PONTOGENEIA INERMIS	200	7
	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	3530	40
	HARPACTICUS SPECIES	874	20
	PORCELLIDIUM SARSI	4	0
ISOPODA	GNATHIA SPECIES	4	0
	IDOTEA RUFESCENS	6	0
	IDOTEA UROTOMA	68	0
	MUNNA STEPHENSONI	2	0
	PENTIDOTEA RESECTA	4	0
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	2	0
	LACUNA CARINATA	78	0
NATANTIA	HIPPOLYTE CLARKI	272	10
	NATANTIA ZOEA	20	0
	PANDALUS DANAE	2	0
POLYCHAETA	NEPHTYDAE SPECIES	2	0
	NEREIS SPECIES	10	0

LOCATION = BEAV YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 125 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	1064	20
CALANOIDA	ACARTIA LONGIREMUS	104	0
	CALANOID COPEDID	56	0
	CENTROPHAGES ABDOMINALIS	40	0
	EURYTEMORA HIRUNDOIDES	8	0
	PSEUDOCALANUS MINUTUS	368	0
	SCOLOCITHRICELLA MINOR	80	0
	TORTANUS DISCAUDATUS	8	0
CALICOIDA	CALIGUS SPECIES	8	0
CHAETOGNATHA	SAGITTA SPECIES	24	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
CLADOCERA	EVADNE NORMANI	24	0
	PODON POLYPHEMOIDES	24	0
CNIDARIA	AGLANTHA DIGITALE	8	0
	BLACKFORDIA SPECIES	136	10
	CORYNE TUBULOSA	48	0
	DIPLEUROSOMA TYPICUM	24	0
	OBELIA LONGISSIMA	272	10
	RATHKEA OCTOPUNCTATA	520	20
CTENOPHORA	PLEUROBRANCHIA BACHEI	928	40
FISH	FISH EGGS	144	0
	FISH LARVAE	8	0
GAMMARIDEA	PONTOGENEIA INERMIS	8	0
LARVACEA	OIKOPLEURA DIOICA	48	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
NATANTIA	NATANTIA ZOEA	576	0

LOCATION = BEAV YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 90 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	104	0
	PUGETTIA RICHII	11	12
CAPRELLIDEA	CAPRELLA EQUILIBRIA	72	0
CLADOCERA	EVADNE NORMANI	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	8	0
	CALLIOPIELLA PRATTI	32	0
	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	176	7
HARPACTICOIDA	HARPACTICOID SPECIES	2960	21
	HARPACTICUS SPECIES	3344	28
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA OCHOTENSIS	7	6

	IDOTEA RUFESCENS	224	7
	PENTIDOTEA RESECTA	10	6
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	GASTROPODA JUVENILE	56	0
	LACUNA CARINATA	192	0
NATANTIA	CRANGON SPECIES	1	0
	NATANTIA ZOEA	544	7
	PANDALUS DANAE	3	6
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION = BEAV YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 10 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	206	60
CALANOIDA	ACARTIA LONGIREMUS	10	0
	EURYTEMORA HIRUNDOIDES	4	0
CALICOIDA	CALIGUS SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	EVADNE NORMANI	36	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	1	0
	RATHKEA OCTOPUNCTATA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	3	0
FISH	FISH EGGS	52	10
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	PARAPLEUSTES PUGETTENSIS	1	0
	PONTOGENEIA INERMIS	3	0
	SYNCHELIDIUM SHOEMAKERI	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	30	5
	HARPACTICUS SPECIES	37	5
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	93	25
MOLLUSCA	GASTROPODA JUVENILE	1	0
	PELECYPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	11	0

LOCATION = BEAV YEAR = 1981 MONTH = 7 DAY = 17 SAMPLE VOLUME = 200 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	224	16
	PUGETTIA RICHII	1	20
CALANOIDA	CALANOID NAUPLII	16	0
	EPILABIDOCERA AMPHITRITES	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
CLADOCERA	EVADNE NORMANI	64	0

FISH	FISH EGGS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	2000	24
	HARPACTICUS SPECIES	2512	24
ISOPODA	IDOTEA UROTOMA	48	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	128	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	96	0
NATANTIA	HIPPOLYTE CLARKI	64	8
	NATANTIA ZOEA	160	8
NEMATODA	NEMATODA SPECIES	64	0
POLYCHAETA	POLYCHAETA SPECIES	16	0

LOCATION = BEAV YEAR = 1981 MONT[illegible] 7 DAY = 17 SAMPLE VOLUME = 25 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	50	10
	BRACHYURA ZOEA	118	20
CALANOIDA	ACARTIA LONGIREMUS	8	0
	CALANOID NAUPLII	4	0
	CENTROPHAGES ABDOMINALIS	2	0
	EPILABIDOCERA AMPHITRITES	26	10
	SCOLOCITHRICELLA MINOR	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	EVADNE NORMANI	88	10
	PODON POLYPHEMOIDES	14	0
CNIDARIA	RATHKEA OCTOPUNCTATA	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
FISH	FISH EGGS	96	10
	FISH LARVAE	4	0
GAMMARIDEA	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	2	0
ISOPODA	IDOTEA UROTOMA	10	0
LARVACEA	OIKOPLEURA DIOICA	386	40
MOLLUSCA	LACUNA CARINATA	38	0
NATANTIA	NATANTIA ZOEA	6	0
POLYCHAETA	SPIONIDAE SPECIES	8	0

LOCATION = BEAV YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 49 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	184	4
	PUGETTIA RICHII	1	0
CALANOIDA	CALANOID COPEDID	28	0
	PSEUDOCALANUS MINUTUS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	76	0
	CYPRIS LARVA	8	0
CLADOCERA	EVADNE NORMANI	48	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	RATHKEA OCTOPUNCTATA	12	0
FISH	FISH EGGS	40	0
GAMMARIDEA	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	264	8
	HARPACTICUS SPECIES	880	16
ISOPODA	IDOTEA OCHOTENSIS	1	0
	IDOTEA RUFESCENS	124	4
	PENTIDOTEA RESECTA	4	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	28	0
	LACUNA CARINATA	152	4
	MYTILUS EDULIS	4	0
NATANTIA	HIPPOLYTE CLARKI	60	60
	NATANTIA ZOEA	152	4
POLYCHAETA	NEREIS SPECIES	12	0

LOCATION = BEAV YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 40 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	140	10
CALANOIDA	ACARTIA LONGIREMUS	24	0
	CALANOID COPEDID	52	0
	SCOLOCITHRICELLA MINOR	12	0
CIRRIPEDIA	BARNACLE NAUPLII	100	10
CLADOCERA	EVADNE NORMANI	40	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	24	5
	CORYNE TUBULOSA	16	2
	RATHKEA OCTOPUNCTATA	16	3
	TUBULARIA CHRISTINAE	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	116	30
FISH	FISH EGGS	92	10
GAMMARIDEA	PONTOGENEIA INERMIS	4	0

HARPACTICOIDA	HARPACTICOID SPECIES	60	5
	HARPACTICUS SPECIES	36	5
	PORCELLIDIUM SARSI	12	0
ISOPODA	IDOTEA RUFESCENS	84	10
LARVACEA	OIKOPLEURA DIOICA	20	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
	LACUNA CARINATA	92	10
	MYTILUS EDULIS	4	0
NATANTIA	NATANTIA ZOEA	48	0
PHOLIDAE	PHOLIDAE SPECIES	8	0
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = BEAV YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 140 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AGONIDAE	ODONTOPYXIS TRISPINOSA	1	1
BRACHYURA	BRACHYURA ZOEA	360	0
	CANCER PRODUCTUS	2	1
CALICOIDA	CALIGUS SPECIES	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	24	0
	CAPRELLA LEVIUSCULA	8	0
CIRRIPEDIA	BALANUS SPECIES	1	0
	BARNACLE NAUPLII	24	0
CNIDARIA	POLYORCHIS KARAFUTOENSIS	1	3
COTTIDAE	HEMILEPIDOTUS HEMILEPIDOTUS	1	1
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
CUMACEAE	DIASTYLIS SPECIES	56	0
	LAMPROPS QUADRIPLICATA	88	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1264	7
GAMMARIDEA	AMPELISCA PUGETICA	8	0
	FOXIPHALUS SIMILIS	32	3
	MELITA SPECIES	32	4
	PLEUSTES SPECIES GROUP D	8	0
	PROTOMEDIA SPECIES	8	0
	SYNCHELIDIUM SHOEMAKERI	192	14
HARPACTICOIDA	HARPACTICOID SPECIES	304	2
	HARPACTICUS SPECIES	240	1
ISOPODA	MUNNA STEPHENSONI	72	0
MOLLUSCA	AGLAJA DIOMEDEA	2	1
	GALEOMATACEAE (SUPERFAMILY)	920	28
	GASTROPODA JUVENILE	32	0
	LACUNA CARINATA	40	0
	MARGARITES PUPILLIS	8	0
	ODOSTOMIA TENUISCHULPTA	8	0
	TURBONILLA VALDEZI	32	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	80	0
NATANTIA	CRANGON SPECIES	12	20
	HEPTACARPUS BREVIROSTRIS	8	1
	HIPPOLYTE CLARKI	32	1
	NATANTIA ZOEA	64	0
	PANDALUS DANAE	1	3

	RHYNOCRANGON ALATA	8	0
NEMATODA	NEMATODA SPECIES	24	0
OSTRACODA	OSTRACODA SPECIES	2240	7
POLYCHAETA	ARMANDIA BREVIS	24	0
	CIRRATULIDAE SPECIES	24	0
	ETEONE SPECIES	224	0
	NEREIS SPECIES	112	0
	PEISIDICE SPECIES	8	0
	POLYCHAETA SPECIES	48	0
	SPIONIDAE SPECIES	216	0

LOCATION = BEAV YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 14 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	26	10
CALANOIDA	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	1	1
	EPILABIDOCERA AMPHITRITES	4	5
	METRIDIA PACIFICA	1	1
	PSEUDOCALANUS MINUTUS	2	2
CALICOIDA	CALIGUS SPECIES	3	5
CAPRELLIDEA	CAPRELLA LEVIUSCULA	9	0
CHAETOGNATHA	SAGITTA SPECIES	7	1
CIRRIPEDIA	BARNACLE NAUPLII	3	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	31	15
	PODON POLYPHEMOIDES	1	0
CNIDARIA	ACTINARIA SPECIES	8	0
	BLACKFORDIA SPECIES	2	10
	CORYNE TUBULOSA	3	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	14	0
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	1	0
	PONTOGENEIA IVANOVI	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	3	0
ISOPODA	IDOTEA UROTOMA	2	0
	MUNNA STEPHENSONI	2	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	2
	GALEOMATACEAE (SUPERFAMILY)	5	10
	GASTROPODA JUVENILE	6	5
	LACUNA CARINATA	3	3
	TURBONILLA VALDEZI	1	0
NATANTIA	HIPPOLYTE CLARKI	3	15
	NATANTIA ZOEA	9	15
OSTRACODA	OSTRACODA SPECIES	2	0

POLYCHAETA	CIRRATULIDAE SPECIES	6	0
	POLYCHAETA SPECIES	2	0

LOCATION = BEAV YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 34 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	10	0
	BRACHYURA ZOEA	528	9
CALANOIDA	ACARTIA LONGIREMUS	50	1
	CALANOID COPEDID	6	0
	CALANUS PACIFICUS	6	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	4	0
	EURYTEMORA HIRUNDOIDES	8	0
	PSEUDOCALANUS MINUTUS	22	0
	SCOLOCITHRICELLA MINOR	26	0
	TORTANUS DISCAUDATUS	20	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	48	0
	CAPRELLA LEVIUSCULA	12	0
CIRRIPEDIA	BARNACLE NAUPLII	308	3
	CYPRIS LARVA	64	0
CLADOCERA	EVADNE NORMANI	672	4
	PODON POLYPHEMOIDES	94	0
CNIDARIA	BLACKFORDIA SPECIES	56	9
	CORYNE TUBULOSA	10	0
	OBELIA LONGISSIMA	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	AOROIDES COLUMBIAE	2	0
	CALLIOPIELLA PRATTI	4	0
	ISCHYROCERUS ANGUIPES	12	0
	PONTOGENEIA INERMIS	32	0
	PONTOGENEIA INTERMEDIA	2	0
	PONTOGENEIA ROSTRATA	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	180	0
	HARPACTICUS SPECIES	28	0
	PORCELLIDIUM SARSI	6	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
INSECTA	CHIRONOMIDAE LARVAE	18	0
ISOPODA	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	2	10
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	6	0
	GALEOMATACEAE (SUPERFAMILY)	2	0
	LACUNA CARINATA	2	0
	MYTILUS EDULIS	2	0
	PELECYPODA JUVENILE	2	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	18	4
	HIPPOLYTE CLARKI	162	60
	NATANTIA ZOEA	270	0

NEMATODA	NEMATODA SPECIES	56	0
POLYCHAETA	NEREIS SPECIES	10	0
	SPIONIDAE SPECIES	2	0

LOCATION = BEAV YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 22 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	276	30
CALANOIDA	ACARTIA LONGIREMUS	132	10
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	8	0
	PSEUDOCALANUS MINUTUS	4	0
	TORTANUS DISCAUDATUS	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	28	0
	CAPRELLA LEVIUSCULA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	230	30
	CYPRIS LARVA	10	0
CLADOCERA	EVADNE NORMANI	164	20
	PODON POLYPHEMOIDES	86	10
CNIDARIA	BLACKFORDIA SPECIES	4	0
	OBELIA LONGISSIMA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FISH	FISH EGGS	36	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	6	0
	PONTOGENEIA INERMIS	18	0
HARPACTICOIDA	HARPACTICOID SPECIES	44	0
	HARPACTICUS SPECIES	6	0
INSECTA	CHIRONOMIDAE LARVAE	6	0
ISOPODA	IDOTEA RUFESCENS	24	0
	IDOTEA UROTOMA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	32	0
	LACUNA CARINATA	70	0
	MITRELLA CARINATA	4	0
	PELECYPODA JUVENILE	2	0
NATANTIA	HIPPOLYTE CLARKI	50	0
	NATANTIA ZOEA	26	0
POLYCHAETA	NEREIS SPECIES	6	0
	SPIONIDAE SPECIES	4	0

LOCATION = BEAV YEAR = 1981 MONTH = 8 DAY = 26 SAMPLE VOLUME = 170 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	168	0
	PUGETTIA RICHII	1	3
CALANOIDA	CALANOID COPEDID	8	0
	CALANUS PACIFICUS	16	0
	EPILABIDOCERA AMPHITRITES	88	0
	PSEUDOCALANUS MINUTUS	8	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	40	0
CIRRIPEDIA	BARNACLE NAUPLII	48	0
CLADOCERA	EVADNE NORMANI	80	0
	PODON POLYPHEMOIDES	216	0
CNIDARIA	BLACKFORDIA SPECIES	32	2
	OBELIA LONGISSIMA	40	3
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	16	0
	PONTOGENEIA INERMIS	16	0
	PONTOGENEIA ROSTRATA	112	13
	PROTOMEDIA SPECIES	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	4528	9
	HARPACTICUS SPECIES	456	0
	PORCELLIDIUM SARSI	16	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	GNATHIA SPECIES	8	0
	IDOTEA RUFESCENS	40	0
	PENTIDOTEA RESECTA	2	3
MOLLUSCA	EUBRANCHUS OLIVACEUS	48	0
	GASTROPODA JUVENILE	104	0
	LACUNA CARINATA	16	0
	MITRELLA CARINATA	8	0
	MYTILUS EDULIS	32	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	72	4
	HEPTACARPUS CARINATUS	2	4
	HEPTACARPUS STYLUS	48	0
	HIPPOLYTE CLARKI	936	59
	NATANTIA ZOEA	16	0
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION - BEAV YEAR - 1981 MONTH - 8 DAY - 26 SAMPLE VOLUME - 12 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	23	0
CALANOIDA	ACARTIA LONGIREMUS	276	30
	CALANUS GLACIALIS	3	0
	CENTROPHAGES ABDOMINALIS	3	0
	EPILABIDOCERA AMPHITRITES	25	5
	MICROCALANUS PYGMAEUS	1	0
	PSEUDOCALANUS MINUTUS	6	0
	SCOLOCITHRICELLA MINOR	11	0
	TORTANUS DISCAUDATUS	37	5
CALICOIDA	CALIGUS SPECIES	4	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	899	20
	PODON POLYPHEMOIDES	61	0
CNIDARIA	BLACKFORDIA SPECIES	7	0
	CORYNE TUBULOSA	5	0
	TUBULARIA CHRISTINAE	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	33	0
	HARPACTICUS SPECIES	17	0
ISOPODA	IDOTEA RUFESCENS	12	0
	IDOTEA UROTOMA	1	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	318	20
MOLLUSCA	GASTROPODA JUVENILE	102	0
	LACUNA CARINATA	43	0
	MELIBE LEONINA	39	20
	MYTILUS EDULIS	4	0
NATANTIA	HIPPOLYTE CLARKI	3	0
	NATANTIA ZOEA	14	0
POLYCHAETA	NEREIS SPECIES	3	0
	SPIONIDAE SPECIES	1	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 280 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	144	0
	PUGETTIA RICHII	1	1
	TELMESSUS CHEIRAGONUS	1	1
CALANOIDA	ACARTIA LONGIREMUS	48	0
	CALANOID COPEDID	48	0
	CENTROPHAGES ABDOMINALIS	32	0
	PSEUDOCALANUS MINUTUS	112	0
	TORTANUS DISCAUDATUS	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	64	0
	CAPRELLA LEVIUSCULA	16	0
CNIDARIA	AEOLIDA PAPILOSA	1	1
	BLACKFORDIA SPECIES	16	0
	RATHKEA OCTOPUNCTATA	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
GAMMARIDEA	AOROIDES COLUMBIAE	80	1
	ISCHYROCERUS ANGUIPES	96	1
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	592	0
	HARPACTICUS SPECIES	112	0
	PORCELLIDIUM SARSI	64	0
ISOPODA	IDOTEA OCHOTENSIS	2	2
	IDOTEA RUFESCENS	48	0
	IDOTEA UROTOMA	32	0
	MUNNA STEPHENSONI	16	0
	PENTIDOTEA RESECTA	1	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	16	0
	GALEOMATACEAE (SUPERFAMILY)	16	0
	LACUNA CARINATA	432	3
	MELIBE LEONINA	32	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1008	22
	HEPTACARPUS STYLUS	64	0
	HIPPOLYTE CLARKI	1712	63
	NATANTIA ZOEA	80	0
NEMERTEA	HOPLONEMERTEA (ORDER)	1	0
POLYCHAETA	NEREIS SPECIES	16	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 90 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ARACHNIDA	ARACHNIDA SPECIES	8	0
BRACHYURA	BRACHYURA ZOEA	112	0
	PUGETTIA RICHII	1	40
CALANOIDA	ACARTIA LONGIREMUS	144	3
	CALANUS GLACIALIS	40	0
	CENTROPHAGES ABDOMINALIS	80	3
	METRIDIA PACIFICA	16	0
	PSEUDOCALANUS MINUTUS	16	0
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	56	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CLADOCERA	EVADNE NORMANI	24	0
	PODON POLYPHEMOIDES	24	0
CNIDARIA	CORYNE TUBULOSA	16	0
FISH	FISH EGGS	104	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	88	0
	PONTOGENEIA INERMIS	24	0
	SYNCHELIDIUM SHOEMAKERI	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	800	6
	HARPACTICUS SPECIES	32	0
	PORCELLIDIUM SARSI	16	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
ISOPODA	IDOTEA RUFESCENS	96	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	32	0
	GASTROPODA JUVENILE	24	0
	LACUNA CARINATA	792	6
	TURBONILLA VALDEZI	8	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	8	0
	HIPPOLYTE CLARKI	888	42
	NATANTIA ZOEA	512	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	NEREIS SPECIES	56	0
TURBELLARIA	TURBELLARIA SPECIES	8	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 220 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	448	0
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANUS GLACIALIS	8	0
	CALANUS PACIFICUS	152	0

	CENTROPHAGES ABDOMINALIS	24	0
	MICROCALANUS PYGMAEUS	8	0
	PSEUDOCALANUS MINUTUS	104	0
	TORTANUS DISCAUDATUS	120	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	56	0
	CAPRELLA LEVIUSCULA	8	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	24	0
	CORYNE TUBULOSA	32	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	152	64
GAMMARIDEA	ISCHYROCERUS ANGUIPES	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PONTOGENEIA INERMIS	56	0
HARPACTICOIDA	HARPACTICOID SPECIES	744	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	16	0
MOLLUSCA	AGLAJA DIOMEDEA	16	0
	CLINOCARDIUM NUTTALLII	8	0
	EUBRANCHUS OLIVACEUS	16	0
	GALEOMATACEAE (SUPERFAMILY)	8	0
	GASTROPODA JUVENILE	104	0
	LACUNA CARINATA	8	0
	MELIBE LEONINA	6	20
	MITRELLA GOULDI	16	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	280	8
	HIPPOLYTE CLARKI	520	8
	NATANTIA ZOEA	104	0
POLYCHAETA	LEPIDONOTUS SQUAMATUS	1	0
	NEREIS SPECIES	5	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 11 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	62	3
CALANOIDA	ACARTIA LONGIREMUS	39	1
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	5	0
	CALANUS PACIFICUS	21	1
	CENTROPHAGES ABDOMINALIS	20	1
	EPILABIDOCERA AMPHITRITES	2	0
	MICROCALANUS PYGMAEUS	11	0
	PSEUDOCALANUS MINUTUS	20	1
	TORTANUS DISCAUDATUS	34	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	3	0
CHAETOGNATHA	SAGITTA SPECIES	7	0
CIRRIPEDIA	BARNACLE NAUPLII	1	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	11	0

	CORYNE TUBULOSA	58	80
	OBELIA LONGISSIMA	22	0
	RATHKEA OCTOPUNCTATA	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	10
CUMACEAE	LAMPROPS QUADRIPLICATA	1	0
CYCLOPOIDA	ONCAEA BOREALIS	1	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	1	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	36	2
POLYCHAETA	NEREIS SPECIES	2	0
	POLYCHAETA SPECIES	1	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 160 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ACARI	ACARI SPECIES	16	0
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	112	0
	PUGETTIA RICHII	1	10
CALANOIDA	CALANOID COPEDID	32	0
	CENTROPHAGES ABDOMINALIS	48	0
	EPILABIDOCERA AMPHITRITES	16	0
	EURYTEMORA HIRUNDOIDES	16	0
	PSEUDOCALANUS MINUTUS	64	0
CIRRIPEDIA	CYPRIS LARVA	16	0
CNIDARIA	CORYNE TUBULOSA	48	0
	OBELIA LONGISSIMA	144	0
	RATHKEA OCTOPUNCTATA	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	48	0
HARPACTICOIDA	HARPACTICOID SPECIES	176	0
	HARPACTICUS SPECIES	1040	8
HYPERIDEA	PARATHEMISTO SPECIES	16	0
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	16	0
	PENTIDOTEA RESECTA	2	2
MOLLUSCA	EUBRANCHUS OLIVACEUS	16	0
	GASTROPODA JUVENILE	80	0
	LACUNA CARINATA	272	8
	MELIBE LEONINA	1	8
	PODODESMUS CEPIO	16	0
	TURBONILLA VALDEZI	16	0
NATANTIA	HIPPOLYTE CLARKI	1264	64
	NATANTIA ZOEA	224	0
POLYCHAETA	NEREIS SPECIES	144	0
	SPIONIDAE SPECIES	16	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 35 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	110	0
CALANOIDA	ACARTIA LONGIREMUS	118	5
	CALANOID COPEDID	46	0
	CALANUS GLACIALIS	16	0
	CENTROPHAGES ABDOMINALIS	68	4
	EPILABIDOCERA AMPHITRITES	56	4
	MICROCALANUS PYGMAEUS	4	0
	PSEUDOCALANUS MINUTUS	166	5
	SCOLOCITHRICELLA MINOR	54	2
	TORTANUS DISCAUDATUS	38	0
CHAETOGNATHA	SAGITTA SPECIES	32	0
CIRRIPEDIA	BARNACLE NAUPLII	54	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	12	0
	PODON POLYPHEMOIDES	10	0
CNIDARIA	AGLANTHA DIGITALE	16	0
	BLACKFORDIA SPECIES	318	40
	CORYNE TUBULOSA	120	20
	OBELIA LONGISSIMA	56	10
	SOLMISSUS MARSHALLI	2	0
	TUBULARIA PROLIFER	28	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	62	10
FISH	FISH EGGS	160	0
	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	HYALE FREQUENS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	28	0
	HARPACTICUS SPECIES	6	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
INSECTA	HYMENOPTERA ADULTS	2	0
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	20	0
MOLLUSCA	CREPIDULA PERFORANS	2	0
	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	2	0
	PELECYPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	46	0
POLYCHAETA	NEREIS SPECIES	2	0
	SPIONIDAE SPECIES	4	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 360 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AULORHYNCHIDAE	AULORHYNCHUS FLAVIDUS	1	10
BRACHYURA	BRACHYURA MEGALOPS	32	0
	PUGETTIA RICHII	1	10
CALANOIDA	ACARTIA LONGIREMUS	32	0
	EPILABIDOCERA AMPHITRITES	96	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	128	0
	CAPRELLA LEVIUSCULA	32	0
CLADOCERA	EVADNE NORMANI	32	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
FISH	FISH EGGS	128	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	96	0
GAMMARIDEA	CALLIOPIELLA PRATTI	64	0
	PARAPLEUSTES PUGETTENSIS	64	0
	PONTOGENEIA INERMIS	64	0
HARPACTICOIDA	HARPACTICOID SPECIES	4544	10
	HARPACTICUS SPECIES	1920	5
	PORCELLIDIUM SARSI	32	0
ISOPODA	IDOTEA OCHOTENSIS	2	0
	IDOTEA RUFESCENS	64	0
	MUNNA STEPHENSONI	32	0
	PENTIDOTEA RESECTA	64	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	160	0
	GASTROPODA JUVENILE	288	0
	LACUNA CARINATA	1216	0
	MELIBE LEONINA	1	5
	MITRELLA CARINATA	96	0
	PELECYPODA JUVENILE	32	0
	TURBONILLA VALDEZI	32	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	32	0
	HEPTACARPUS CARINATUS	32	0
	HIPPOLYTE CLARKI	3296	55
	NATANTIA ZOEA	736	0
	PANDALUS DANAE	2	5
POLYCHAETA	NEREIS SPECIES	96	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 26 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	30	0
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	548	35
	CALANOID COPEDID	18	0
	CALANUS GLACIALIS	10	0

	CENTROPHAGES ABDOMINALIS	10	0
	EPILABIDOCERA AMPHITRITES	188	15
	PSEUDOCALANUS MINUTUS	6	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	12	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	12	0
CHAETOGNATHA	SAGITTA SPECIES	14	0
CIRRIPEDIA	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	46	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	16	0
	RATHKEA OCTOPUNCTATA	10	0
FISH	FISH EGGS	180	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	PARAPLEUSTES PUGETTENSIS	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	152	15
	HARPACTICUS SPECIES	62	5
	PORCELLIDIUM SARSI	8	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	IDOTEA RUFESCENS	42	0
	IDOTEA UROTOMA	28	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	58	10
	GASTROPODA JUVENILE	142	0
	LACUNA CARINATA	240	20
	MITRELLA CARINATA	2	0
	MYTILUS EDULIS	6	0
NATANTIA	HIPPOLYTE CLARKI	54	0
	NATANTIA ZOEA	8	0
POLYCHAETA	NEREIS SPECIES	6	0
	SPIONIDAE SPECIES	2	0
SCORPAENIDAE	SEBASTES SPECIES	2	0

LOCATION = BEAV YEAR = 1981 MONTH = 9 DAY = 14 SAMPLE VOLUME = 90 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	56	0
CALANOIDA	ACARTIA LONGIREMUS	208	10
	CALANUS GLACIALIS	8	0
	EPILABIDOCERA AMPHITRITES	160	10
	EURYTEMORA HIRUNDOIDES	16	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	32	0
	TORTANUS DISCAUDATUS	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	56	0
	CAPRELLA LEVIUSCULA	8	0
CIRRIPEDIA	CYPRIS LARVA	16	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	CORYNE TUBULOSA	8	0

FISH	FISH EGGS	160	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	40	0
GAMMARIDEA	PONTOGENEIA INERMIS	72	0
HARPACTICOIDA	HARPACTICOID SPECIES	544	5
	HARPACTICUS SPECIES	296	5
	PORCELLIDIUM SARSI	8	0
ISOPODA	IDOTEA RUFESCENS	96	0
	IDOTEA UROTOMA	32	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	32	0
	GASTROPODA JUVENILE	208	0
	LACUNA CARINATA	464	30
	MITRELLA CARINATA	72	0
	PELECYPODA JUVENILE	8	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	8	0
	HEPTACARPUS CARINATUS	24	0
	HIPPOLYTE CLARKI	376	30
	NATANTIA ZOEA	136	0
POLYCHAETA	NEREIS SPECIES	32	0
	PHYLLODOCE SPECIES	16	0

LOCATION = COVS YEAR = 1980 MONTH = 5 DAY = 27 SAMPLE VOLUME = 50 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	960	5
CALANOIDA	CALANOID COPEDID	2048	5
	CALANOID SPECIES	16	0
	CALANUS PACIFICUS	976	10
	CALANUS PLUMCHRUS	160	5
	CENTROPHAGES ABDOMINALIS	32	0
	PARACALANUS PARVIS	240	5
	PSEUDOCALANUS MINUTUS	2880	20
CIRRIPEDIA	BARNACLE NAUPLII	704	5
CLADOCERA	EVADNE NORMANI	48	0
	PODON POLYPHEMOIDES	5360	15
CNIDARIA	CORYNE TUBULOSA	48	0
	RATHKEA OCTOPUNCTATA	32	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	9	15
FISH	FISH EGGS	64	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	PORCELLIDIUM SARSI	32	0
LARVACEA	OIKOPLEURA DIOICA	1728	10
MOLLUSCA	LACUNA CARINATA	32	0
	LIMACINA SPECIES	128	5
NATANTIA	NATANTIA ZOEA	48	0
POLYCHAETA	PROTODORVILLEA SPECIES	32	0
UNIDENTIFIED	UNIDENTIFIED TAXON	16	0

LOCATION = COVS YEAR = 1980 MONTH = 5 DAY = 30 SAMPLE VOLUME = 65 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	32	0
BRACHYURA	BRACHYURA ZOEA	15264	10
CALANOIDA	CALANOID COPEDID	640	0
	CALANUS PACIFICUS	3584	30
	CALANUS PLUMCHRUS	224	5
	CENTROPHAGES ABDOMINALIS	32	0
	EPILABIDOCERA AMPHITRITES	640	0
	METRIDIA PACIFICA	32	0
	PARACALANUS PARVIS	1536	10
	PSEUDOCALANUS MINUTUS	928	5
CIRRIPEDIA	BARNACLE NAUPLII	4320	5
CLADOCERA	PODON POLYPHEMOIDES	9024	15
CNIDARIA	CORYNE TUBULOSA	32	0
CYCLOPTERIDAE	LIPARIS SPECIES	1	3
FISH	FISH EGGS	128	0
GADIDAE	MICROGADUS PROXIMUS	1	2
HARPACTICOIDA	HARPACTICUS SPECIES	32	0
MOLLUSCA	LIMACINA SPECIES	64	0
NATANTIA	NATANTIA ZOEA	288	0
PLEURONECTIDAE	LEPIDOPSETTA BILINEATA	5	5
SCORPAENIDAE	SEBASTES SPECIES	12	10
UNIDENTIFIED	UNIDENTIFIED TAXON	32	0

LOCATION = COVS YEAR = 1980 MONTH = 6 DAY = 26 SAMPLE VOLUME = 33 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	2	0
ANOMURA	PAGURUS CAURINUS	1	0
	PAGURUS SPECIES	1	0
BRACHYURA	BRACHYURA MEGALOPS	10	0
	BRACHYURA ZOEA	184	2
CALANOIDA	CALANOID COPEDID	6	0
	CALANUS PACIFICUS	6	0
	PARACALANUS PARVIS	18	3
	PSEUDOCALANUS MINUTUS	180	0
CIRRIPEDIA	BARNACLE CYPRIS	2	0
CLADOCERA	PODON POLYPHEMOIDES	48	0
CNIDARIA	BLACKFORDIA SPECIES	11	60
	CORYNE TUBULOSA	82	5
	RATHKEA OCTOPUNCTATA	60	5
COTTIDAE	SYNCHIRUS GILLI	1	0
FISH	FISH EGGS	10	0
	FISH SPECIES	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	40	5

	PARAPLEUSTES PUGETTENSIS	22	2
	PLEUSTES SPECIES	38	5
	PONTOGENEIA INERMIS	2	0
	PROTOMEDIA SPECIES	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	80	0
	HARPACTICUS SPECIES	20	2
	PORCELLIDIUM SPECIES	116	1
ISOPODA	IDOTEA SPECIES	2	0
	MUNNA STEPHENSONI	8	0
MOLLUSCA	CREPIDULA LINGULATA	1	0
	CREPIDULA PERFORANS	1	0
	LIMACINA SPECIES	12	0
	OENOPOTA LEVIDENSIS	1	0
NATANTIA	EUALIS BIUNGUIS	1	0
	HIPPOLYTE CLARKI	4	5
	NATANTIA ZOEA	86	0
	PANDALUS TRIDENS	1	0
POLYCHAETA	NEREIS SPECIES	1	0
SCORPAENIDAE	SEBASTES SPECIES	3	5

LOCATION = COVS YEAR = 1980 MONTH = 8 DAY = 5 SAMPLE VOLUME = 42 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	1	0
ANOMURA	PAGURUS CAURINUS	2	24
BRACHYURA	CANCER OREGONENSIS	1	0
CNIDARIA	CNIDARIA SPECIES	1	0
	CORYNE TUBULOSA	8	0
	HYDRACTINIA SPECIES	2	0
	OBELIA LONGISSIMA	1	0
	POLYORCHIS KARAFUTOENSIS	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	26	10
MEDUSAE	CALYCOPRIS SPECIES	22	0
MOLLUSCA	CREPIDULA PERFORANS	14	10
	MELIBE LEONINA	1	0
	TEGULA PULLIGO	1	16
NATANTIA	HEPTACARPUS CARINATUS	5	0
	HEPTACARPUS STIMPSONI	1	0
	HEPTACARPUS STYLUS	16	0
	HIPPOLYTE CLARKI	121	40
SCORPAENIDAE	SEBASTES SPECIES	2	0

LOCATION = COVS YEAR = 1980 MONTH = 8 DAY = 5 SAMPLE VOLUME = 8 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	476	30
CALANOIDA	CALANUS PACIFICUS	16	5
	EPILABIDOCERA AMPHITRITES	12	5
	PSEUDOCALANUS MINUTUS	8	0
	TORTANUS DISCAUDATUS	20	0
CHAETOGNATHA	EUKRONIA HAMATA	4	0
CIRRIPEDIA	BARNACLE CYPRIS	4	0
	BARNACLE NAUPLII	120	5
CLADOCERA	EVADNE NORMANI	84	5
	PODON POLYPHEMOIDES	96	5
CNIDARIA	AGLANTHA DIGITALE	3	0
	CORYNE TUBULOSA	6	0
	OBELIA LONGISSIMA	12	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CYCLOPOIDA	CLAUSIDIUM VANCOUVERENSE	1	0
FISH	FISH EGGS	96	10
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	4	0
GAMMARIDEA	AMPHITHOE LINDBERGI	12	10
	CALLIOPIELLA PRATTI	4	0
	ISCHYROCERUS ANGUIPES	4	5
	PARAPLEUSTES PUGETTENSIS	12	10
	PLEUSTES SPECIES	4	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	24	0
ISOPODA	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	196	10
MOLLUSCA	LACUNA CARINATA	4	0
	MOLLUSCA SPECIES	4	0
OSTRACODA	OSTRACODA SPECIES	4	0
UNIDENTIFIED	UNIDENTIFIED TAXON	4	0

LOCATION = COVS YEAR = 1980 MONTH = 9 DAY = 11 SAMPLE VOLUME = 490 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	64	0
BRACHYURA	BRACHYURA ZOEA	384	0
CALANOIDA	CALANOID COPEDID	1248	2
	CALANUS PACIFICUS	320	0
	CENTROPHAGES ABDOMINALIS	32	0
	PARACALANUS PARVIS	32	0
	PSEUDOCALANUS MINUTUS	160	0
	TORTANUS DISCAUDATUS	64	0
CHAETOGNATHA	EUKRONIA HAMATA	32	0

CIRRIPEDIA	BARNACLE CYPRIS	64	0
CNIDARIA	CORYNE TUBULOSA	96	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2528	95
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	192	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	64	0
	PLEUSTES SPECIES	64	0
	PONTOGENEIA IVANOVI	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	384	0
	PORCELLIDIUM SPECIES	288	0
HYDROID COLONY	HYDROID COLONY	32	0
HYPERIDEA	HYPERIDEA SPECIES	928	3
ISOPODA	MUNNA STEPHENSONI	64	0
LARVACEA	OIKOPLEURA DIOICA	64	0
MOLLUSCA	TURBONILLA VALDEZI	32	0
NATANTIA	HIPPOLYTE CLARKI	32	0
	NATANTIA ZOEA	128	0
NEBALIACEA	NEBALIA BIPES	32	0

LOCATION = COVS YEAR = 1980 MONTH = 9 DAY = 25 SAMPLE VOLUME = 47 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	80	0
CALANOIDA	CALANOID COPEDID	8	0
	CALANUS PACIFICUS	8	0
	PSEUDOCALANUS MINUTUS	12	0
	TORTANUS DISCAUDATUS	116	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	20	0
	CAPRELLA LEVIUSCULA	8	0
CHAETOGNATHA	EUKRONIA HAMATA	12	0
CNIDARIA	RATHKEA OCTOPUNCTATA	8	0
COTTIDAE	COTTID SPECIES	1	0
	LEPTOCOTTUS ARMATUS	4	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	130	95
CUMACEAE	LEPTOCUMA SPECIES	4	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	12	0
GAMMARIDEA	CALLIOPIELLA PRATTI	12	0
	ISCHYROCERUS ANGUIPES	8	0
	PARAPLEUSTES PUGETTENSIS	4	0
	PLEUSTES SPECIES	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	PENTIDOTEA RESECTA	4	0
LARVACEA	OIKOPLEURA DIOICA	20	0
MEDUSAE	CALYCOPRIS SPECIES	8	0
MOLLUSCA	CLINOCARDIUM SPECIES	20	0
	GALEOMATACEAE (SUPERFAMILY)	20	0
	HIATELLA ARCTICA	4	0
NATANTIA	CRANGON DALLI	2	0
	HEPTACARPUS BREVIROSTRIS	2	0
	HEPTACARPUS STIMPSONI	3	0
	HEPTACARPUS STYLUS	3	0

	HIPPOLYTE CLARKI	2	0
	NATANTIA ZOEA	160	0

LOCATION = COVS YEAR = 1980 MONTH = 9 DAY = 25 SAMPLE VOLUME = 7 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	16	0
CALANOIDA	CALANOID COPEDID	112	5
	CALANUS GLACIALIS	16	0
	CALANUS PACIFICUS	40	0
	EPILABIDOCERA AMPHITRITES	8	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	104	5
	TORTANUS DISCAUDATUS	392	30
CAPRELLIDEA	CAPRELLA EQUILIBRIA	48	0
CHAETOGNATHA	EUKRONIA HAMATA	16	0
CIRRIPEDIA	BARNACLE CYPRIS	16	0
	BARNACLE NAUPLII	8	0
CNIDARIA	CORYNE TUBULOSA	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	400	50
FISH	FISH EGGS	24	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	8	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PONTOGENEIA IVANOVI	8	0
HARPACTICOIDA	PORCELLIDIUM SPECIES	48	0
HYPERIDEA	PARATHEMISTO SPECIES	24	0
MOLLUSCA	LACUNA CARINATA	8	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	1	10
POLYCHAETA	POLYCHAETA SPECIES	24	0

LOCATION = COVS YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 20 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	4626	60
CALANOIDA	ACARTIA LONGIREMUS	34	0
	CALANOID COPEDID	248	3
	CALANUS GLACIALIS	208	10
	CENTROPHAGES ABDOMINALIS	38	0
	EUCALANUS BUNGI BUNGI	26	0
	METRIDIA PACIFICA	72	1
	PSEUDOCALANUS MINUTUS	148	1
	SCOLOCITHRICELLA MINOR	2	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	240	5

	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	10	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	24	0
	OBELIA LONGISSIMA	102	0
	RATHKEA OCTOPUNCTATA	14	0
	TUBULARIA PROLIFER	44	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	30	0
HARPACTICOIDA	PORCELLIDIUM SARSI	2	0
ISOPODA	GNATHIA SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	650	10
MOLLUSCA	GASTROPODA JUVENILE	18	0
	MITRELLA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	528	10
PHOLIDAE	PHOLIDAE SPECIES	46	0
POLYCHAETA	AUTOLYTUS SPECIES	2	0

LOCATION = COVS YEAR = 1981 MONTH = 4 DAY = 6 SAMPLE VOLUME = 21 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	6276	70
CALANOIDA	ACARTIA LONGIREMUS	124	0
	CALANOID COPEDID	740	3
	CALANUS GLACIALIS	824	10
	CALANUS PACIFICUS	8	0
	CENTROPHAGES ABDOMINALIS	76	2
	EUCALANUS BUNGI BUNGI	32	2
	MICROCALANUS PYGMAEUS	8	0
	MONSTRILLA SPECIES	4	0
	PSEUDOCALANUS MINUTUS	280	2
	SCOLOCITHRICELLA MINOR	20	1
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	1452	10
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	8	0
	OBELIA LONGISSIMA	32	0
COTTIDAE	COTTID SPECIES	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	16	0
CUMACEAE	LAMPROPS QUADRIPLICATA	4	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
GAMMARIDEA	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
INSECTA	CHIRONOMIDAE LARVAE	4	0
LARVACEA	OIKOPLEURA DIOICA	196	0
MOLLUSCA	GASTROPODA JUVENILE	40	0
	LACUNA CARINATA	16	0
NATANTIA	NATANTIA ZOEA	72	0

PHOLIDAE	PHOLIDAE SPECIES	8	0

LOCATION = COVS YEAR = 1981 MONTH = 4 DAY = 20 SAMPLE VOLUME = 40 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	20	0
	BRACHYURA ZOEA	6456	40
CALANOIDA	ACARTIA LONGIREMUS	364	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	96	0
	CALANOID NAUPLII	8	0
	CALANUS GLACIALIS	272	3
	CENTROPHAGES ABDOMINALIS	72	0
	EPILABIDOCERA AMPHITRITES	8	0
	EUCALANUS BUNGI BUNGI	4	0
	METRIDIA PACIFICA	28	0
	MICROCALANUS PYGMAEUS	172	0
	PSEUDOCALANUS MINUTUS	1340	4
	SCOLOCITHRICELLA MINOR	1268	3
CHAETOGNATHA	SAGITTA SPECIES	176	0
CIRRIPEDIA	BARNACLE NAUPLII	8368	50
	CYPRIS LARVA	112	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	36	0
CNIDARIA	CORYNE TUBULOSA	20	0
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	8	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	8	0
CYCLOPTERIDAE	LIPARIS SPECIES	12	0
FISH	FISH LARVAE	16	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	PLEUSTES SPECIES GROUP E	4	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	20	0
	PORCELLIDIUM SARSI	8	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	GNATHIA SPECIES	8	0
LARVACEA	OIKOPLEURA DIOICA	912	0
MOLLUSCA	GASTROPODA JUVENILE	92	0
	LACUNA CARINATA	4	0
NATANTIA	NATANTIA ZOEA	2556	0
NEMATODA	NEMATODA SPECIES	4	0
PHOLIDAE	PHOLIDAE SPECIES	32	0
POLYCHAETA	SPIONIDAE SPECIES	64	0

LOCATION = COVS YEAR = 1981 MONTH = 4 DAY = 20 SAMPLE VOLUME = 24 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	3340	40
CALANOIDA	ACARTIA LONGIREMUS	176	0
	CALANOID COPEDID	218	1
	CALANUS GLACIALIS	226	2
	CENTROPHAGES ABDOMINALIS	28	0
	EPILABIDOCERA AMPHITRITES	12	0
	EUCALANUS BUNGI BUNGI	6	0
	METRIDIA PACIFICA	8	0
	MICROCALANUS PYGMAEUS	54	0
	PSEUDOCALANUS MINUTUS	534	4
	SCOLOCITHRICELLA MINOR	246	3
	TORTANUS DISCAUDATUS	4	0
CALICOIDA	CALIGUS SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	58	0
CIRRIPEDIA	BARNACLE NAUPLII	4818	50
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	CORYNE TUBULOSA	8	0
	OBELIA LONGISSIMA	6	0
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	2	0
COTTIDAE	COTTID SPECIES	4	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
CYCLOPTERIDAE	LIPARIS SPECIES	2	0
FISH	FISH LARVAE	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
ISOPODA	GNATHIA SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	160	0
MOLLUSCA	GASTROPODA JUVENILE	48	0
NATANTIA	NATANTIA ZOEA	30	0
PHOLIDAE	PHOLIDAE SPECIES	4	0
POLYCHAETA	SPIONIDAE SPECIES	16	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 15 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	2634	90
CALANOIDA	ACARTIA LONGIREMUS	44	0
	CALANOID COPEDID	108	0
	CALANUS GLACIALIS	132	0
	CENTROPHAGES ABDOMINALIS	84	0
	EUCALANUS BUNGI BUNGI	26	0
	METRIDIA PACIFICA	68	0

	MICROCALANUS PYGMAEUS	22	0
	PSEUDOCALANUS MINUTUS	762	4
	SCOLOCITHRICELLA MINOR	44	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CLADOCERA	PODON POLYPHEMOIDES	22	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	34	0
	CORYNE TUBULOSA	40	0
	PERIGONIMUS YOLDIA-ARCTICA	2	0
	RATHKEA OCTOPUNCTATA	36	0
	TUBULARIA PROLIFER	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	26	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
ISOPODA	GNATHIA SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	804	1
MOLLUSCA	GASTROPODA JUVENILE	44	0
NATANTIA	NATANTIA ZOEA	990	5
PHOLIDAE	PHOLIDAE SPECIES	6	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 23 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	728	30
CALANOIDA	ACARTIA LONGIREMUS	22	0
	CALANOID COPEDID	76	5
	CALANUS GLACIALIS	72	10
	CENTROPHAGES ABDOMINALIS	24	0
	EUCALANUS BUNGI BUNGI	4	0
	METRIDIA PACIFICA	12	0
	MICROCALANUS PYGMAEUS	20	0
	PSEUDOCALANUS MINUTUS	184	0
	SCOLOCITHRICELLA MINOR	10	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	84	0
CNIDARIA	BLACKFORDIA SPECIES	34	3
	CORYNE TUBULOSA	20	2
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	20	2
	TUBULARIA PROLIFER	8	0
COTTIDAE	COTTID SPECIES	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	18	3
FISH	FISH LARVAE	8	5
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	376	10
NATANTIA	NATANTIA ZOEA	602	30
PHOLIDAE	PHOLIDAE SPECIES	4	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 20 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	3034	20
CALANOIDA	ACARTIA LONGIREMUS	72	0
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	14	0
	CENTROPHAGES ABDOMINALIS	44	0
	EPILABIDOCERA AMPHITRITES	12	0
	METRIDIA PACIFICA	24	0
	MICROCALANUS PYGMAEUS	26	0
	PSEUDOCALANUS MINUTUS	562	5
	TORTANUS DISCAUDATUS	12	0
CIRRIPEDIA	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	28	0
	PODON POLYPHEMOIDES	76	0
CNIDARIA	BLACKFORDIA SPECIES	8	5
	CORYNE TUBULOSA	16	10
	OBELIA LONGISSIMA	2	0
	PERIGONIUM BREVICORNIS	26	15
	RATHKEA OCTOPUNCTATA	10	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CUMACEAE	CUMELLA SPECIES	2	0
	LAMPROPS QUADRIPLICATA	2	0
CYCLOPTERIDAE	LIPARIS SPECIES	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	34	0
	FORAMINIFERIDIA SPECIES	6	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	24	0
	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	6	0
	ISCHYROCERUS ANGUIPES	36	0
	LAETMATOPHILUS (PHOTIS) SPECIES	58	0
	ODIUS SPECIES (CARANATA GROUP)	256	15
	PARAPLEUSTES PUGETTENSIS	22	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	212	15
	PONTOGENEIA INERMIS	20	0
	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	126	0
	HARPACTICUS SPECIES	78	0
	PORCELLIDIUM SARSI	884	0
HYPERIDEA	PARATHEMISTO SPECIES	6	0
ISOPODA	EUSYMMERUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	114	0
MOLLUSCA	DIRONA ALBOLINEATA	8	0
	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	18	0
	MARGARITES PUPILLIS	2	0
	PELECYPODA JUVENILE	2	0
	TURBONILLA VALDEZI	10	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	24	0
	ACANTHOMYSIS SCULPTA	2	0

NATANTIA	CRANGON SPECIES	4	0
	HIPPOLYTE CLARKI	6	0
	NATANTIA ZOEA	656	4
	PANDALUS DANAE	8	1
	SPIRONTOCARIS OCHOTENSIS	2	0
OSTRACODA	OSTRACODA SPECIES	2	0
PHOLIDAE	PHOLIDAE SPECIES	14	0
POLYCHAETA	ARABELLIDAE SPECIES	2	0
	AUTOLYTUS SPECIES	2	0
	NEREIS SPECIES	2	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 160 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	31488	80
	PUGETTIA RICHII	32	0
CALANOIDA	ACARTIA LONGIREMUS	96	0
	CALANOID COPEDID	128	0
	CALANUS GLACIALIS	112	0
	CENTROPHAGES ABDOMINALIS	80	0
	EPILABIDOCERA AMPHITRITES	160	0
	EUCALANUS BUNGI BUNGI	16	0
	METRIDIA PACIFICA	80	0
	MICROCALANUS PYGMAEUS	128	0
	PSEUDOCALANUS MINUTUS	3920	20
CHAETOGNATHA	SAGITTA SPECIES	16	0
CLADOCERA	PODON POLYPHEMOIDES	672	0
CNIDARIA	RATHKEA OCTOPUNCTATA	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
HYPERIDEA	PARATHEMISTO SPECIES	48	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	LACUNA CARINATA	16	0
NATANTIA	NATANTIA ZOEA	720	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 10 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2919	60
CALANOIDA	ACARTIA LONGIREMUS	39	0
	CALANOID COPEDID	50	0
	CALANUS GLACIALIS	177	3
	CENTROPHAGES ABDOMINALIS	43	0
	EPILABIDOCERA AMPHITRITES	6	0
	EUCALANUS BUNGI BUNGI	1	0
	EURYTEMORA HIRUNDOIDES	4	0
	METRIDIA PACIFICA	3	0

	PARACALANUS PARVIS	1	0
	PSEUDOCALANUS MINUTUS	371	2
	SCOLOCITHRICELLA MINOR	24	0
	TORTANUS DISCAUDATUS	32	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	CYPRIS LARVA	1	0
CNIDARIA	BLACKFORDIA SPECIES	24	0
	CORYNE TUBULOSA	199	5
	RATHKEA OCTOPUNCTATA	4	0
	TUBULARIA PROLIFER	6	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
FISH	FISH LARVAE	23	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	LAETMATOPHILUS (PHOTIS) SPECIES	2	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
	PARAPLEUSTES PUGETTENSIS	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICUS SPECIES	13	0
	PORCELLIDIUM SARSI	9	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	68	0
MOLLUSCA	GASTROPODA JUVENILE	1	0
NATANTIA	NATANTIA ZOEA	1198	30
PHOLIDAE	PHOLIDAE SPECIES	2	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 35 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	23020	90
CALANOIDA	ACARTIA LONGIREMUS	36	0
	CALANOID COPEDID	152	0
	CALANUS GLACIALIS	480	1
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	148	0
	EPILABIDOCERA AMPHITRITES	4	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	1752	1
	SCOLOCITHRICELLA MINOR	28	0
	TORTANUS DISCAUDATUS	88	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CLADOCERA	PODON POLYPHEMOIDES	68	0
CNIDARIA	BLACKFORDIA SPECIES	52	0
	CORYNE TUBULOSA	196	5
	RATHKEA OCTOPUNCTATA	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
FISH	FISH LARVAE	20	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	LAETMATOPHILUS (PHOTIS) SPECIES	16	0
	PLEUSIRUS SECORRUS	4	0

HARPACTICOIDA	HARPACTICOID SPECIES	20	0
	HARPACTICUS SPECIES	24	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	68	0
MOLLUSCA	GASTROPODA JUVENILE	32	0
NATANTIA	NATANTIA ZOEA	2772	3

LOCATION - COVS YEAR - 1981 MONTH - 5 DAY - 21 SAMPLE VOLUME - 40 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	3056	14
	PUGETTIA RICHII	2	24
CALANOIDA	ACARTIA LONGIREMUS	48	0
	CALANOID COPEDID	480	1
	CALANUS GLACIALIS	4960	49
	CALANUS PACIFICUS	1292	3
	CENTROPHAGES ABDOMINALIS	32	0
	EPILABIDOCERA AMPHITRITES	72	0
	EURYTEMORA HIRUNDOIDES	8	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	1144	3
	SCOLOCITHRICELLA MINOR	8	0
	TORTANUS DISCAUDATUS	156	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	28	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	20	0
	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA INERMIS	12	0
HARPACTICOIDA	HARPACTICUS SPECIES	16	0
	PORCELLIDIUM SARSI	4	0
ISOPODA	PENTIDOTEA RESECTA	1	6
LARVACEA	OIKOPLEURA DIOICA	60	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	40	0
	MITRELLA GOULDI	4	0
NATANTIA	NATANTIA ZOEA	108	0
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 48 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	586	20
CALANOIDA	ACARTIA LONGIREMUS	8	0
	CALANUS GLACIALIS	18	0
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	18	0
	EPILABIDOCERA AMPHITRITES	6	0
	EURYTEMORA HIRUNDOIDES	4	0
	METRIDIA PACIFICA	4	0
	PSEUDOCALANUS MINUTUS	26	0
	TORTANUS DISCAUDATUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
CLADOCERA	PODON POLYPHEMOIDES	10	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	8	0
COTTIDAE	COTTID SPECIES	2	0
CYCLOPTERIDAE	LIPARIS SPECIES	12	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
	FORAMINIFERIDIA SPECIES	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	4	0
	CALLIOPIELLA PRATTI	6	0
	HYALE FREQUENS	22	0
	ISCHYROCERUS ANGUIPES	32	0
	LAETMATOPHILUS (PHOTIS) SPECIES	88	15
	ODIUS SPECIES (CARANATA GROUP)	54	5
	PARAPLEUSTES PUGETTENSIS	20	5
	PLEUSTES SPECIES (PANOPLA) GROUP A	166	20
	PONTOGENEIA INERMIS	48	5
HARPACTICOIDA	HARPACTICOID SPECIES	418	5
	HARPACTICUS SPECIES	60	0
	PORCELLIDIUM SARSI	890	15
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	COLLISELLA SPECIES	2	0
	GALEOMATACEAE (SUPERFAMILY)	2	0
	GASTROPODA JUVENILE	72	0
	LACUNA CARINATA	6	0
	MARGARITES PUPILLIS	2	0
	MITRELLA CARINATA	2	0
	TURBONILLA VALDEZI	30	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
NATANTIA	HIPPOLYTE CLARKI	62	0
	NATANTIA ZOEA	300	10
OSTRACODA	OSTRACODA SPECIES	14	0
POLYCHAETA	ARMANDIA BREVIS	2	0
	AUTOLYTUS SPECIES	6	0
	NEREIS SPECIES	8	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 12 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	220	60
CALANOIDA	ACARTIA LONGIREMUS	29	5
	CALANOID COPEDID	3	0
	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	11	5
	EPILABIDOCERA AMPHITRITES	2	0
	EUCALANUS BUNGI BUNGI	2	0
	EURYTEMORA HIRUNDOIDES	4	0
	PSEUDOCALANUS MINUTUS	40	10
	SCOLOCITHRICELLA MINOR	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	PODON POLYPHEMOIDES	59	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	3	0
CNIDARIA	BLACKFORDIA SPECIES	5	0
	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	4	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA .	HARPACTICOID SPECIES	2	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	EUSYMMERUS SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	192	20
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	5	0
	GASTROPODA JUVENILE	23	0
	TURBONILLA VALDEZI	1	0
NATANTIA	NATANTIA ZOEA	7	0
POLYCHAETA	NEREIS SPECIES	1	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 50 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	1248	6
	CANCER OREGONENSIS	4	0
CALANOIDA	ACARTIA LONGIREMUS	528	6
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	16	0
	CENTROPHAGES ABDOMINALIS	492	6
	EPILABIDOCERA AMPHITRITES	8	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	8	0
	METRIDIA PACIFICA	20	0
	PSEUDOCALANUS MINUTUS	2372	18

	SCOLOCITHRICELLA MINOR	320	0
	TORTANUS DISCAUDATUS	12	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	24	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	24	0
	CORYNE TUBULOSA	84	0
	RATHKEA OCTOPUNCTATA	32	0
COTTIDAE	COTTID SPECIES	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	8	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	8	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	8	0
FISH	FISH LARVAE	24	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	20	0
GAMMARIDEA	LAETMATOPHILUS (PHOTIS) SPECIES	8	0
	ODIUS SPECIES (CARANATA GROUP)	24	0
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	20	0
	PONTOGENEIA INERMIS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	152	0
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SARSI	196	0
LARVACEA	OIKOPLEURA DIOICA	672	18
MOLLUSCA	COLLISELLA SPECIES	4	0
	GASTROPODA JUVENILE	40	0
	TEGULA PULLIGO	1	5
NATANTIA	HEPTACARPUS STYLUS	4	0
	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	2740	36
OSTRACODA	OSTRACODA SPECIES	8	0
PHOLIDAE	PHOLIDAE SPECIES	16	0

LOCATION = COVS YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 28 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	430	30
CALANOIDA	ACARTIA LONGIREMUS	852	50
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	120	5
	EURYTEMORA HIRUNDOIDES	2	0
	PSEUDOCALANUS MINUTUS	102	5
	SCOLOCITHRICELLA MINOR	16	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	56	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	4	0
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0

CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	6	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	14	0
	FORAMINIFERIDIA SPECIES	2	0
GAMMARIDEA	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	22	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	136	10
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	12	0
	GASTROPODA JUVENILE	4	0
NATANTIA	NATANTIA ZOEA	28	0
PHOLIDAE	PHOLIDAE SPECIES	4	0

LOCATION = COVS YEAR = 1981 MONTH = 6 DAY = 6 SAMPLE VOLUME = 220 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	288	0
CALANOIDA	ACARTIA LONGIREMUS	80	0
	CALANOID COPEDID	80	0
	CALANUS PACIFICUS	144	2
	CENTROPHAGES ABDOMINALIS	48	0
	PSEUDOCALANUS MINUTUS	704	3
	SCOLOCITHRICELLA MINOR	64	0
	TORTANUS DISCAUDATUS	48	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	256	0
	CYPRIS LARVA	176	0
CLADOCERA	EVADNE NORMANI	368	0
	PODON POLYPHEMOIDES	32	0
CNIDARIA	AGLANTHA DIGITALE	16	0
	BLACKFORDIA SPECIES	448	40
	CORYNE TUBULOSA	144	0
	RATHKEA OCTOPUNCTATA	144	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	928	50
GAMMARIDEA	CALLIOPIELLA PRATTI	48	0
HARPACTICOIDA	PORCELLIDIUM SARSI	16	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
LARVACEA	OIKOPLEURA DIOICA	2016	5
MOLLUSCA	GASTROPODA JUVENILE	64	0
	LACUNA CARINATA	64	0
NATANTIA	NATANTIA ZOEA	32	0

LOCATION - COVS YEAR - 1981 MONTH - 6 DAY - 10 SAMPLE VOLUME - 250 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	816	1
CALANOIDA	ACARTIA LONGIREMUS	256	0
	CALANOID COPEDID	80	0
	CALANUS GLACIALIS	16	0
	CALANUS PACIFICUS	32	0
	CENTROPHAGES ABDOMINALIS	128	0
	EPILABIDOCERA AMPHITRITES	16	0
	MICROCALANUS PYGMAEUS	160	0
	PSEUDOCALANUS MINUTUS	3360	9
	SCOLOCITHRICELLA MINOR	784	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	560	1
	CYPRIS LARVA	160	0
CLADOCERA	PODON POLYPHEMOIDES	128	0
CNIDARIA	BLACKFORDIA SPECIES	208	13
	CORYNE TUBULOSA	176	13
	RATHKEA OCTOPUNCTATA	288	18
	TUBULARIA CHRISTINAE	16	0
COTTIDAE	COTTID SPECIES	32	0
	SYNCHIRUS GILLI	32	1
CTENOPHORA	PLEUROBRANCHIA BACHEI	784	42
GAMMARIDEA	ODIUS SPECIES (CARANATA GROUP)	16	0
	PARAPLEUSTES PUGETTENSIS	16	0
	PONTOGENEIA INERMIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	496	0
	HARPACTICUS SPECIES	80	0
	PORCELLIDIUM SARSI	16	0
LARVACEA	OIKOPLEURA DIOICA	1408	2
MOLLUSCA	GASTROPODA JUVENILE	240	0
NATANTIA	NATANTIA ZOEA	144	0

LOCATION - COVS YEAR - 1981 MONTH - 6 DAY - 10 SAMPLE VOLUME - 220 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	PUGETTIA RICHII	1	10
CNIDARIA	BLACKFORDIA SPECIES	23	90
	SOLMISSUS MARSHALLI	1	0

LOCATION = COVS YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 42 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	3076	20
CALANOIDA	ACARTIA LONGIREMUS	12	0
	CALANOID COPEDID	44	0
	CALANOID NAUPLII	4	0
	CALANUS GLACIALIS	48	2
	CENTROPHAGES ABDOMINALIS	132	3
	METRIDIA PACIFICA	12	0
	MICROCALANUS PYGMAEUS	8	0
	PSEUDOCALANUS MINUTUS	416	5
	SCOLOCITHRICELLA MINOR	20	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	AGLANTHA DIGITALE	24	0
	BLACKFORDIA SPECIES	356	15
	CORYNE TUBULOSA	396	15
	HYDRACTINIA SPECIES	4	0
	OBELIA LONGISSIMA	56	5
	PERIGONIMUS YOLDIA-ARCTICA	4	0
	RATHKEA OCTOPUNCTATA	204	5
	SOLMISSUS MARSHALLI	4	0
COTTIDAE	COTTID SPECIES	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	244	10
CYCLOPOIDA	CYCLOPODIA SPECIES	24	0
FISH	FISH LARVAE	8	0
HYPERIDEA	PARATHEMISTO SPECIES	16	0
LARVACEA	OIKOPLEURA DIOICA	248	0
MOLLUSCA	GASTROPODA JUVENILE	48	0
NATANTIA	NATANTIA ZOEA	1224	20
PHOLIDAE	PHOLIDAE SPECIES	28	0

LOCATION = COVS YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 43 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	116	1
CALANOIDA	ACARTIA LONGIREMUS	72	0
	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	92	5
	CALANUS PLUMCHRUS	4	0
	CENTROPHAGES ABDOMINALIS	68	1
	PSEUDOCALANUS MINUTUS	392	3
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	20	0

	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	44	0
	PODON POLYPHEMOIDES	32	0
CNIDARIA	AGLANTHA DIGITALE	8	0
	BLACKFORDIA SPECIES	376	20
	CORYNE TUBULOSA	188	10
	OBELIA LONGISSIMA	12	0
	RATHKEA OCTOPUNCTATA	60	5
	TUBULARIA CHRISTINAE	36	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	776	50
GAMMARIDEA	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
HARPACTICOIDA	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
INSECTA	CHIRONOMIDAE LARVAE	4	0
LARVACEA	OIKOPLEURA DIOICA	44	0
MOLLUSCA	GASTROPODA JUVENILE	40	0
NATANTIA	NATANTIA ZOEA	40	0
PHOLIDAE	PHOLIDAE SPECIES	12	0
POLYCHAETA	AUTOLYTUS SPECIES	4	0

LOCATION = COVS YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 51 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	72	0
	BRACHYURA ZOEA	12120	85
CALANOIDA	ACARTIA LONGIREMUS	168	0
	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	24	0
	CENTROPHAGES ABDOMINALIS	376	5
	EPILABIDOCERA AMPHITRITES	24	0
	PSEUDOCALANUS MINUTUS	1576	0
	SCOLOCITHRICELLA MINOR	120	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	80	0
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	AGLANTHA DIGITALE	16	0
	BLACKFORDIA SPECIES	224	5
	CORYNE TUBULOSA	128	0
	OBELIA LONGISSIMA	312	0
	RATHKEA OCTOPUNCTATA	16	0
COTTIDAE	COTTID SPECIES	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	16	0
FISH	FISH LARVAE	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	32	0
ISOPODA	IDOTEA RUFESCENS	8	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GASTROPODA JUVENILE	24	0
	MELIBE LEONINA	8	0

NATANTIA	NATANTIA ZOEA	1200	5

LOCATION = COVS YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 920 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	768	10
CALANOIDA	ACARTIA LONGIREMUS	96	0
	CALANOID COPEDID	32	0
	CENTROPHAGES ABDOMINALIS	640	10
	EPILABIDOCERA AMPHITRITES	32	0
	PSEUDOCALANUS MINUTUS	512	0
	SCOLOCITHRICELLA MINOR	32	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	.	0
CHAETOGNATHA	SAGITTA SPECIES	32	0
CLADOCERA	PODON POLYPHEMOIDES	32	0
CNIDARIA	BLACKFORDIA SPECIES	32	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2464	80
GAMMARIDEA	PONTOGENEIA INERMIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	32	0
HYPERIDEA	PARATHEMISTO SPECIES	32	0
MOLLUSCA	GASTROPODA JUVENILE	32	0
			.

LOCATION = COVS YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 65 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	32	0
	BRACHYURA ZOEA	1676	20
CALANOIDA	ACARTIA LONGIREMUS	388	3
	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	52	3
	CENTROPHAGES ABDOMINALIS	40	1
	EPILABIDOCERA AMPHITRITES	4	0
	PSEUDOCALANUS MINUTUS	404	3
	SCOLOCITHRICELLA MINOR	68	0
CALICOIDA	CALIGUS SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	12	0
CLADOCERA	EVADNE NORMANI	76	0
	PODON POLYPHEMOIDES	104	0
CNIDARIA	BLACKFORDIA SPECIES	28	0
	CORYNE TUBULOSA	32	0
	HYDRACTINIA SPECIES	4	0
	OBELIA LONGISSIMA	40	0
	RATHKEA OCTOPUNCTATA	12	0
COTTIDAE	COTTID SPECIES	12	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1692	50
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	20	0

GAMMARIDEA	HYALE FREQUENS	4	0
	PONTOGENEIA INTERMEDIA	20	0
LARVACEA	OIKOPLEURA DIOICA	104	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
NATANTIA	NATANTIA ZOEA	388	20
PHOLIDAE	PHOLIDAE SPECIES	24	0

LOCATION = COVS YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 24 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	86	5
CALANOIDA	ACARTIA LONGIREMUS	96	2
	ACARTIA SPECIES	2	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	134	10
	CENTROPHAGES ABDOMINALIS	26	1
	EPILABIDOCERA AMPHITRITES	6	0
	PSEUDOCALANUS MINUTUS	138	2
	SCOLOCITHRICELLA MINOR	18	0
CIRRIPEDIA	BARNACLE NAUPLII	62	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	310	4
	PODON POLYPHEMOIDES	104	1
CNIDARIA	BLACKFORDIA SPECIES	14	5
	CORYNE TUBULOSA	26	10
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	12	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	128	50
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	2	0
	ISOPODA SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	118	5
MOLLUSCA	GASTROPODA JUVENILE	2	0
	MITRELLA CARINATA	8	0
	MITRELLA GOULDI	2	0
NATANTIA	NATANTIA ZOEA	8	0

LOCATION = COVS YEAR = 1981 MONTH = 7 DAY = 18 SAMPLE VOLUME = 15 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	29	0
CALANOIDA	ACARTIA LONGIREMUS	11	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	1	0

	CENTROPHAGES ABDOMINALIS	2	0
	PSEUDOCALANUS MINUTUS	4	0
CALICOIDA	CALIGUS SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	35	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	21	0
	PODON POLYPHEMOIDES	18	0
CNIDARIA	BLACKFORDIA SPECIES	18	5
	CORYNE TUBULOSA	19	20
	RATHKEA OCTOPUNCTATA	37	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	110	70
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	5	0
NATANTIA	NATANTIA ZOEA	11	0

LOCATION = COVS YEAR = 1981 MONTH = 7 DAY = 18 SAMPLE VOLUME = 20 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	14	0
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANUS GLACIALIS	4	0
	CENTROPHAGES ABDOMINALIS	4	0
	PSEUDOCALANUS MINUTUS	2	0
CALICOIDA	CALIGUS SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	CORYNE TUBULOSA	2	0
	TUBULARIA CHRISTINAE	2	0
	TUBULARIA PROLIFER	2	0
COTTIDAE	SYNCHIRUS GILLI	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	90	70
FISH	FISH EGGS	60	10
ISOPODA	IDOTEA RUFESCENS	2	0
	IDOTEA UROTOMA	4	10
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	22	10
NATANTIA	NATANTIA ZOEA	10	0

LOCATION = COVS YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 55 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	228	2
CALANOIDA	ACARTIA LONGIREMUS	140	1
	CALANOID COPEDID	48	0
	CALANUS GLACIALIS	8	0
	CENTROPHAGES ABDOMINALIS	88	0
	EPILABIDOCERA AMPHITRITES	20	0
	MICROCALANUS PYGMAEUS	16	0
	PSEUDOCALANUS MINUTUS	112	0
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	16	0
CHAETOGNATHA	SAGITTA SPECIES	12	0
CIRRIPEDIA	BARNACLE NAUPLII	916	5
	CYPRIS LARVA	32	0
CLADOCERA	EVADNE NORMANI	92	0
	PODON POLYPHEMOIDES	88	0
CNIDARIA	BLACKFORDIA SPECIES	24	5
	CORYNE TUBULOSA	52	10
	OBELIA LONGISSIMA	16	5
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	416	70
CYCLOPOIDA	ONCAEA BOREALIS	4	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
FISH	FISH EGGS	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	4	0
	PORCELLIDIUM SARSI	8	0
LARVACEA	OIKOPLEURA DIOICA	120	0
MOLLUSCA	GASTROPODA JUVENILE	28	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	8	0
NATANTIA	NATANTIA ZOEA	216	2
POLYCHAETA	POLYNOIDA SPECIES	4	0
	SPIONIDAE SPECIES	4	0

LOCATION = COVS YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 28 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	1
	BRACHYURA ZOEA	42	2
CALANOIDA	ACARTIA LONGIREMUS	88	2
	CALANOID COPEDID	26	0
	CALANUS GLACIALIS	44	2
	CENTROPHAGES ABDOMINALIS	30	1
	EPILABIDOCERA AMPHITRITES	60	0
	MICROCALANUS PYGMAEUS	6	0
	PSEUDOCALANUS MINUTUS	78	0

	SCOLOCITHRICELLA MINOR	14	0
CALICOIDA	CALIGUS SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	44	1
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	758	4
	PODON POLYPHEMOIDES	142	1
CNIDARIA	AGLANTHA DIGITALE	2	15
	BLACKFORDIA SPECIES	22	10
	CORYNE TUBULOSA	6	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	36	50
CYCLOPOIDA	ONCAEA BOREALIS	2	0
FISH	FISH EGGS	58	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	164	2
MOLLUSCA	GASTROPODA JUVENILE	8	0
NATANTIA	NATANTIA ZOEA	148	4

LOCATION = COVS YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 17 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA ZOEA	288	0
CALANOIDA	ACARTIA LONGIREMUS	12	0
	CALANOID COPEDID	16	0
	CALANOID NAUPLII	2	0
	CALANUS GLACIALIS	4	0
	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	3	0
	MICROCALANUS PYGMAEUS	4	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	1	0
CALICOIDA	CALIGUS SPECIES	1	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BALANUS SPECIES	15	0
	BARNACLE NAUPLII	16	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	12	0
	PODON POLYPHEMOIDES	30	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	58	10
	CORYNE TUBULOSA	28	10
	OBELIA LONGISSIMA	21	10
	RATHKEA OCTOPUNCTATA	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	220	70
FISH	FISH LARVAE	1	0
FORAMINIFERIDIA	CIBICIDES SPECIES	3	0
	ELPHIDIELLA SPECIES	42	0
	MILLIAMINA SPECIES	6	0
GAMMARIDEA	DEXAMONICA (ATYLUS) SPECIES	1	0

	HYALE FREQUENS	4	0
	LAETMATOPHILUS (PHOTIS) SPECIES	3	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PARAPHOXIS ABRONIUS-EPISTOMUS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	12	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	34	0
MOLLUSCA	AMPHISSA VERSICOLOR	1	0
	GALEOMATACEAE (SUPERFAMILY)	2	0
	GASTROPODA JUVENILE	5	0
	PELECYPODA JUVENILE	1	0
	TURBONILLA VALDEZI	1	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	1	0
NATANTIA	NATANTIA ZOEA	97	0
OSTRACODA	OSTRACODA SPECIES	5	0
PHOLIDAE	PHOLIDAE SPECIES	2	0
POLYCHAETA	HESSIONIDAE SPECIES	1	0
	SPIONIDAE SPECIES	1	0

LOCATION = COVS YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 7 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	7	20
	BRACHYURA ZOEA	5	10
CALANOIDA	ACARTIA LONGIREMUS	5	5
	CALANOID COPEDID	4	5
	CALANUS GLACIALIS	1	5
	CALANUS PACIFICUS	1	5
	EPILABIDOCERA AMPHITRITES	12	20
	TORTANUS DISCAUDATUS	5	5
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	24	8
	PODON POLYPHEMOIDES	22	7
CNIDARIA	CORYNE TUBULOSA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	5
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	3	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	9	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	1	0
	LACUNA CARINATA	1	0
NATANTIA	HIPPOLYTE CLARKI	1	10
	NATANTIA ZOEA	1	0

NEMATODA	NEMATODA SPECIES	2	0
POLYCHAETA	AUTOLYTUS SPECIES	1	0
	CIRRATULIDAE SPECIES	1	0
	SPIONIDAE SPECIES	4	0

LOCATION = COVS YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 105 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	316	5
CALANOIDA	ACARTIA LONGIREMUS	12	0
	CALANOID COPEDID	4	0
	CALANUS GLACIALIS	4	0
	EPILABIDOCERA AMPHITRITES	48	2
	PSEUDOCALANUS MINUTUS	8	0
	TORTANUS DISCAUDATUS	16	0
CALICOIDA	CALIGUS SPECIES	4	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	36	0
CNIDARIA	BLACKFORDIA SPECIES	124	10
	CORYNE PRINCEPS	48	6
	CORYNE TUBULOSA	148	10
	OBELIA LONGISSIMA	392	10
	RATHKEA OCTOPUNCTATA	16	4
CTENOPHORA	PLEUROBRANCHIA BACHEI	244	50
CYCLOPOIDA	ONCAEA BOREALIS	4	0
GAMMARIDEA	PONTOGENEIA INTERMEDIA	8	0
HYPERIDEA	PARATHEMISTO SPECIES	20	0
MOLLUSCA	GASTROPODA JUVENILE	20	0
	LACUNA CARINATA	4	0
NATANTIA	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	80	3
POLYCHAETA	LEPIDONOTUS SQUAMATUS	4	0

LOCATION = COVS YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 21 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	20	4
CALANOIDA	ACARTIA LONGIREMUS	108	24
	CALANOID COPEDID	44	12
	CALANUS GLACIALIS	22	4
	CENTROPHAGES ABDOMINALIS	4	0

	EPILABIDOCERA AMPHITRITES	50	8
	PSEUDOCALANUS MINUTUS	12	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	4	0
CAPRELLIDEA	CAPRELLIDAE SPECIES	2	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLADOCERA	EVADNE NORMANI	162	0
	PODON POLYPHEMOIDES	34	0
CNIDARIA	BLACKFORDIA SPECIES	19	15
	CORYNE TUBULOSA	4	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	26	24
ISOPODA	IDOTEA RUFESCENS	2	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
NATANTIA	NATANTIA ZOEA	38	4
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = COVS YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 22 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	48	0
CALANOIDA	ACARTIA LONGIREMUS	252	30
	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	24	5
	CENTROPHAGES ABDOMINALIS	48	0
	EPILABIDOCERA AMPHITRITES	96	5
	PSEUDOCALANUS MINUTUS	26	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	18	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	4	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	734	30
	PODON POLYPHEMOIDES	98	0
CNIDARIA	BLACKFORDIA SPECIES	22	0
	CORYNE TUBULOSA	2	0
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	38	30
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
INSECTA	FORMICIDAE ADULTS	2	0
LARVACEA	OIKOPLEURA DIOICA	102	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	6	0
	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	6	0
	TURBONILLA VALDEZI	2	0
NATANTIA	NATANTIA ZOEA	4	0

LOCATION - COVS YEAR - 1981 MONTH - 8 DAY - 26 SAMPLE VOLUME - 49 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	112	5
	BRACHYURA ZOEA	240	30
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANOID COPEDID	80	2
	CALANOID COPEDID	184	5
	CALANUS GLACIALIS	4	0
	CALANUS GLACIALIS	72	15
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	96	5
	MICROCALANUS PYGMAEUS	12	0
	MICROCALANUS PYGMAEUS	4	0
	PSEUDOCALANUS MINUTUS	20	1
	PSEUDOCALANUS MINUTUS	100	5
	SCOLOCITHRICELLA MINOR	40	2
	SCOLOCITHRICELLA MINOR	12	0
	TORTANUS DISCAUDATUS	12	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	44	0
	BARNACLE NAUPLII	224	10
	CYPRIS LARVA	4	0
	CYPRIS LARVA	12	0
CLADOCERA	EVADNE NORMANI	4	0
	EVADNE NORMANI	288	7
	PODON POLYPHEMOIDES	16	0
	PODON POLYPHEMOIDES	128	3
CNIDARIA	AGLANTHA DIGITALE	4	0
	BLACKFORDIA SPECIES	76	10
	BLACKFORDIA SPECIES	32	5
	CORYNE TUBULOSA	140	20
	CORYNE TUBULOSA	44	10
	OBELIA LONGISSIMA	52	10
	OBELIA LONGISSIMA	8	0
	RATHKEA OCTOPUNCTATA	12	0
	TUBULARIA CHRISTINAE	4	0
	TUBULARIA CHRISTINAE	20	5
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	272	50
	PLEUROBRANCHIA BACHEI	4	0
GAMMARIDEA	SYNCHELIDIUM SHOEMAKERI	4	0
HARPACTICOIDA	HARPACTICUS SPECIES	8	0
HYPERIDEA	PARATHEMISTO SPECIES	8	0
	PARATHEMISTO SPECIES	20	0
ISOPODA	IDOTEA RUFESCENS	12	0
LARVACEA	OIKOPLEURA DIOICA	24	0
	OIKOPLEURA DIOICA	68	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	32	0

	PELECYPODA JUVENILE	4	0
NATANTIA	NATANTIA ZOEA	16	0
	NATANTIA ZOEA	100	0

LOCATION - COVS YEAR - 1981 MONTH - 9 DAY - 1 SAMPLE VOLUME - 63 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	620	30
CALANOIDA	ACARTIA LONGIREMUS	72	0
	CALANOID COPEDID	472	10
	CALANUS GLACIALIS	356	10
	CALANUS PACIFICUS	4	0
	CENTROPHAGES ABDOMINALIS	12	0
	EPILABIDOCERA AMPHITRITES	12	0
	MICROCALANUS PYGMAEUS	108	0
	PSEUDOCALANUS MINUTUS	140	0
	SCOLOCITHRICELLA MINOR	56	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	12	0
CHAETOGNATHA	SAGITTA SPECIES	56	0
CIRRIPEDIA	BARNACLE NAUPLII	28	0
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	76	8
	CORYNE TUBULOSA	16	2
	PERIGONIMUS YOLDIA-ARCTICA	4	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	176	10
HYPERIDEA	PARATHEMISTO SPECIES	44	0
ISOPODA	IDOTEA RUFESCENS	16	0
	IDOTEA UROTOMA	40	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	52	0
	MELIBE LEONINA	12	0
NATANTIA	HIPPOLYTE CLARKI	8	0
	NATANTIA ZOEA	632	30

LOCATION - COVS YEAR - 1981 MONTH - 9 DAY - 1 SAMPLE VOLUME - 16 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	49	10
CALANOIDA	ACARTIA LONGIREMUS	15	0
	CALANOID COPEDID	40	5
	CALANUS GLACIALIS	21	5
	CALANUS PACIFICUS	1	0

	CENTROPHAGES ABDOMINALIS	6	0
	EPILABIDOCERA AMPHITRITES	15	0
	PSEUDOCALANUS MINUTUS	15	0
	SCOLOCITHRICELLA MINOR	2	0
CALICOIDA	CALIGUS SPECIES	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	3	0
	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	CHAETOGNATHA SPECIES	3	0
	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	6	0
CLADOCERA	EVADNE NORMANI	1	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	12	5
	CORYNE TUBULOSA	9	5
	OBELIA LONGISSIMA	10	5
	RATHKEA OCTOPUNCTATA	4	3
	TUBULARIA CHRISTINAE	2	2
FISH	FISH LARVAE	1	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
INSECTA	CHIRONIMIDAE ADULT	1	0
ISOPODA	IDOTEA RUFESCENS	19	5
	IDOTEA UROTOMA	21	5
LARVACEA	OIKOPLEURA DIOICA	5	0
MOLLUSCA	GASTROPODA JUVENILE	50	0
	LACUNA CARINATA	42	20
	MELIBE LEONINA	11	10
NATANTIA	HIPPOLYTE CLARKI	6	0
	NATANTIA ZOEA	30	10
POLYCHAETA	NEREIS SPECIES	2	0

LOCATION = COVS YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 450 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1760	19
CALANOIDA	ACARTIA LONGIREMUS	4608	14
	CALANOID COPEDID	2240	2
	CALANUS GLACIALIS	3456	19
	CENTROPHAGES ABDOMINALIS	864	1
	EPILABIDOCERA AMPHITRITES	64	0
	MICROCALANUS PYGMAEUS	64	0
	PSEUDOCALANUS MINUTUS	1504	4
	SCOLOCITHRICELLA MINOR	448	1
CAPRELLIDEA	CAPRELLA EQUILIBRIA	128	0
CHAETOGNATHA	SAGITTA SPECIES	192	0
CIRRIPEDIA	BARNACLE NAUPLII	96	0
	CYPRIS LARVA	96	0
CLADOCERA	EVADNE NORMANI	32	0
CNIDARIA	AGLANTHA DIGITALE	32	0
	BLACKFORDIA SPECIES	96	0
	CORYNE TUBULOSA	288	0
	OBELIA LONGISSIMA	256	0

	RATHKEA OCTOPUNCTATA	192	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	992	9
GAMMARIDEA	ISCHYROCERUS ANGUIPES	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	128	0
	PORCELLIDIUM SARSI	64	0
HYPERIDEA	PARATHEMISTO SPECIES	32	0
ISOPODA	IDOTEA RUFESCENS	32	1
LARVACEA	OIKOPLEURA DIOICA	160	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	1
	GASTROPODA JUVENILE	64	0
	LACUNA CARINATA	256	0
	MELIBE LEONINA	18	9
	PELECYPODA JUVENILE	32	0
NATANTIA	HEPTACARPUS CARINATUS	32	5
	HIPPOLYTE CLARKI	32	5
	NATANTIA ZOEA	1184	10

LOCATION = COVS YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 120 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	384	5
	PUGETTIA RICHII	1	10
CALANOIDA	ACARTIA LONGIREMUS	64	0
	CALANOID COPEDID	88	1
	CALANUS GLACIALIS	408	5
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	96	1
	PSEUDOCALANUS MINUTUS	224	3
	SCOLOCITHRICELLA MINOR	64	0
	TORTANUS DISCAUDATUS	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	16	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	80	4
	CORYNE PRINCEPS	8	0
	CORYNE TUBULOSA	16	0
	OBELIA LONGISSIMA	80	4
	RATHKEA OCTOPUNCTATA	24	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	64	4
FISH	FISH EGGS	40	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	8	0
	PONTOGENEIA INERMIS	8	0
	PONTOGENEIA INTERMEDIA	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	144	0
	HARPACTICUS SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	88	4
ISOPODA	IDOTEA RUFESCENS	16	0
	IDOTEA UROTOMA	8	0

LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	CUMANOTUS BEAUMONT	1	10
	EUBRANCHUS OLIVACEUS	40	3
	GASTROPODA JUVENILE	120	0
	LACUNA CARINATA	48	2
NATANTIA	HIPPOLYTE CLARKI	480	40
	NATANTIA ZOEA	400	4

LOCATION = COVS YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 25 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	20	5
	BRACHYURA ZOEA	168	15
CALANOIDA	ACARTIA LONGIREMUS	58	3
	CALANOID COPEDID	38	2
	CALANUS GLACIALIS	32	10
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	52	5
	METRIDIA PACIFICA	2	0
	PSEUDOCALANUS MINUTUS	20	5
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	82	5
CIRRIPEDIA	BARNACLE NAUPLII	10	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	12	0
CNIDARIA	AGLANTHA DIGITALE	6	2
	BLACKFORDIA SPECIES	96	30
	CORYNE TUBULOSA	16	5
	OBELIA LONGISSIMA	4	1
	RATHKEA OCTOPUNCTATA	2	1
	SOLMISSUS MARSHALLI	4	1
CTENOPHORA	PLEUROBRANCHIA BACHEI	10	1
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	4	0
GAMMARIDEA	SYNCHELIDIUM SHOEMAKERI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
HYPERIDEA	PARATHEMISTO SPECIES	12	0
INSECTA	CHIRONOMIDAE LARVAE	2	0
	DIPTERA ADULT	2	0
ISOPODA	IDOTEA RUFESCENS	6	0
	IDOTEA UROTOMA	10	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	8	0
	GASTROPODA JUVENILE	22	0
	LACUNA CARINATA	22	4
MYSIDACEAE	ACANTHOMYSIS PSEUDOMACROPSIS	2	0
NATANTIA	HIPPOLYTE CLARKI	2	1
	NATANTIA ZOEA	50	4
PLECOPTERA	PLECOPTERA ADULT	2	0
POLYCHAETA	NEREIS SPECIES	4	0
TANAIDACEA	LEPTOGNATHIA GRACILIS	2	0

LOCATION - COVS YEAR - 1981 MONTH - 9 DAY - 4 SAMPLE VOLUME - 145 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	648	0
CALANOIDA	ACARTIA LONGIREMUS	56	0
	CALANOID COPEDID	544	0
	CALANUS GLACIALIS	352	10
	CENTROPHAGES ABDOMINALIS	88	0
	EPILABIDOCERA AMPHITRITES	64	0
	PSEUDOCALANUS MINUTUS	72	0
	SCOLOCITHRICELLA MINOR	24	0
CHAETOGNATHA	SAGITTA SPECIES	72	0
CIRRIPEDIA	CYPRIS LARVA	16	0
CLADOCERA	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	64	0
	CORYNE TUBULOSA	160	10
	RATHKEA OCTOPUNCTATA	16	0
COLEMBOLA	COLEMBOLA SPECIES	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	264	40
GAMMARIDEA	HYALE FREQUENS	8	0
	ISCHYROCERUS ANGUIPES	8	0
	PARAPLEUSTES PUGETTENSIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	32	0
	PORCELLIDIUM SARSI	112	0
HYPERIDEA	PARATHEMISTO SPECIES	40	0
ISOPODA	IDOTEA RUFESCENS	8	0
	IDOTEA UROTOMA	8	0
LARVACEA	OIKOPLEURA DIOICA	24	0
MOLLUSCA	GASTROPODA JUVENILE	16	0
	LACUNA CARINATA	48	0
	MELIBE LEONINA	24	0
NATANTIA	HIPPOLYTE CLARKI	120	20
	NATANTIA ZOEA	840	20
POLYCHAETA	NEREIS SPECIES	8	0

LOCATION - COVS YEAR - 1981 MONTH - 9 DAY - 4 SAMPLE VOLUME - 57 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	104	10
CALANOIDA	ACARTIA LONGIREMUS	14	0
	CALANOID COPEDID	20	0
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	4	0
	EPILABIDOCERA AMPHITRITES	20	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	2	0

	MICROCALANUS PYGMAEUS	2	0
	SCOLOCITHRICELLA MINOR	6	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	4	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
	CYPRIS LARVA	6	0
CNIDARIA	BLACKFORDIA SPECIES	8	5
	CORYNE TUBULOSA	20	20
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	6	3
	TUBULARIA CHRISTINAE	6	2
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	4	0
HIRUDINEA	HIRUDINEA SPECIES	1	0
ISOPODA	IDOTEA RUFESCENS	32	0
	IDOTEA UROTOMA	28	0
LARVACEA	OIKOPLEURA DIOICA	30	5
MOLLUSCA	GASTROPODA JUVENILE	96	0
	LACUNA CARINATA	24	20
	MELIBE LEONINA	32	30
	MITRELLA GOULDI	4	0
	MYTILUS EDULIS	2	0
NATANTIA	NATANTIA ZOEA	32	5
POLYCHAETA	AUTOLYTUS SPECIES	2	0
	NEREIS SPECIES	6	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NAIR YEAR = 1980 MONTH = 6 DAY = 3 SAMPLE VOLUME = 27 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	24	0
	BRACHYURA ZOEA	504	10
CALANOIDA	CALANOID COPEDID	8	0
	CALANOID SPECIES	8	0
	CALANUS GLACIALIS	24	0
	CALANUS PACIFICUS	16	0
	CENTROPHAGES ABDOMINALIS	24	0
	METRIDIA PACIFICA	24	0
	PSEUDOCALANUS MINUTUS	24	0
CIRRIPEDIA	BARNACLE NAUPLII	88	0
CLADOCERA	PODON POLYPHEMOIDES	16	0
CNIDARIA	CORYNE TUBULOSA	24	0
	RATHKEA OCTOPUNCTATA	96	5
CUMACEAE	DIASTYLOPSIS SPECIES	48	0
	LAMPROPS QUADRIPLICATA	224	10
CYCLOPOIDA	CLAUSIDIUM VANCOUVERENSE	1	0
FISH	FISH EGGS	128	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	64	0
	MILLIAMINA SPECIES	8	0
GAMMARIDEA	AMPHITHOE LINDBERGI	40	0

	CALLIOPIELLA PRATTI	8	0
	HIPPOMEDON SPECIES	8	0
	ISCHYROCERUS ANGUIPES	40	0
	PARAPHOXIS SPECIES	12	0
	PARAPLEUSTES PUGETTENSIS	25	10
	PLEUSTES SPECIES	26	0
	PONTOGENEIA INERMIS	104	5
	PONTOGENEIA ROSTRATA	544	20
HARPACTICOIDA	HARPACTICOID SPECIES	144	0
	HARPACTICUS SPECIES	152	0
	PORCELLIDIUM SPECIES	8	0
LARVACEA	OIKOPLEURA DIOICA	8	0
MOLLUSCA	AGLAJA DIOMEDEA	1	10
	GALEOMATACEAE (SUPERFAMILY)	32	0
	LIMACINA SPECIES	24	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	8	0
	ACANTHOMYSIS NEPHROPHTHALMUS	8	0
	ACANTHOMYSIS PSEUDOMACROPSIS	24	0
NATANTIA	CRANGON DALLI	29	20
	NATANTIA ZOEA	8	0
NEMATODA	NEMATODA SPECIES	136	0
OSTRACODA	OSTRACODA SPECIES	16	0
PLEURONECTIDAE	PLEURONICHTHYS EGG	11	10
POLYCHAETA	NEREIS SPECIES	13	0
	PROTODORVILLEA SPECIES	1	0
STICHAEIDAE	STICHAEIDAE SPECIES	2	0

LOCATION = NAIR YEAR = 1980 MONTH = 6 DAY = 3 SAMPLE VOLUME = 8 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	ANOMURA ZOEA	4	0
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	484	20
CALANOIDA	CALANOID COPEDID	16	0
	CALANOID SPECIES	12	0
	CALANUS GLACIALIS	16	0
	CALANUS PACIFICUS	30	10
	CALANUS PLUMCHRUS	6	0
	CENTROPHAGES ABDOMINALIS	18	0
	PARACALANUS PARVIS	4	0
	PSEUDOCALANUS MINUTUS	66	20
CIRRIPEDIA	BARNACLE NAUPLII	238	10
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	214	10
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	8	0
	TUBULARIA PROLIFER	4	0
COTTIDAE	COTTID SPECIES	1	3
FISH	FISH EGGS	298	15
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	HIPPOMEDON SPECIES	2	0

	ISCHYROCERUS ANGUIPES	2	0
	PONTOGENEIA ROSTRATA	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	22	0
	PORCELLIDIUM SPECIES	2	0
	TETRAGONICEPS SPECIES	6	0
LARVACEA	OIKOPLEURA DIOICA	134	10
MOLLUSCA	LIMACINA SPECIES	24	0
NATANTIA	PANDALUS TRIDENS	1	2

LOCATION = NAIR YEAR = 1980 MONTH = 6 DAY = 31 SAMPLE VOLUME = 55 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2912	10
CALANOIDA	CALANOID COPEDID	32	0
	CALANUS GLACIALIS	32	0
	CALANUS PACIFICUS	32	0
	CENTROPHAGES ABDOMINALIS	160	0
	PARACALANUS PARVIS	96	0
CIRRIPEDIA	BARNACLE NAUPLII	576	0
CLADOCERA	PODON POLYPHEMOIDES	96	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	CORYNE TUBULOSA	971	60
	POLYORCHIS KARAFUTOENSIS	2	0
	RATHKEA OCTOPUNCTATA	512	5
FISH	FISH EGGS	128	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	32	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	32	0
	PONTOGENEIA ROSTRATA	32	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	12	10
HARPACTICOIDA	HARPACTICOID SPECIES	96	0
	HARPACTICUS SPECIES	576	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	1	0
MOLLUSCA	MACOMA SECTA	4	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	64	0
NATANTIA	CRANGON DALLI	51	10
	NATANTIA ZOEA	32	0
NEMATODA	NEMATODA SPECIES	4544	0

LOCATION = NAIR YEAR = 1980 MONTH = 8 DAY = 2 SAMPLE VOLUME = 10 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	432	90
CALANOIDA	CALANOID COPEDID	2	0
	CALANUS PACIFICUS	4	0

	EPILABIDOCERA AMPHITRITES	6	0
	TORTANUS DISCAUDATUS	6	0
CIRRIPEDIA	BARNACLE NAUPLII	74	5
CLADOCERA	EVADNE NORMANI	20	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	CORYNE TUBULOSA	4	0
CUMACEAE	LAMPROPS QUADRIPLICATA	12	0
FISH	FISH EGGS	54	5
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	8	0
GAMMARIDEA	HYALE GRANDECORNIS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PARAPLEUSTES PUGETTENSIS	2	0
ISOPODA	IDOTEA RUFESCENS	2	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = NAIR YEAR = 1980 MONTH = 8 DAY = 2 SAMPLE VOLUME = 23 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	1126	40
CALANOIDA	CALANOID COPEDID	2	0
	PSEUDOCALANUS MINUTUS	2	0
	TORTANUS DISCAUDATUS	2	0
CIRRIPEDIA	BARNACLE NAUPLII	14	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	CORYNE TUBULOSA	398	50
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CUMACEAE	LAMPROPS QUADRIPLICATA	72	10
FISH	FISH EGGS	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	2	0
GAMMARIDEA	ANONYX SPECIES	2	0
	ISCHYROCERUS ANGUIPES	4	0
	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICUS SPECIES	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	LACUNA CARINATA	4	0
MYSIDACEAE	MYSID SPECIES	4	0

LOCATION = NAIR YEAR = 1980 MONTH = 9 DAY = 4 SAMPLE VOLUME = 12 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	160	5
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	312	10

	CALANUS PACIFICUS	48	0
	PARACALANUS PARVIS	8	0
	TORTANUS DISCAUDATUS	160	10
CHAETOGNATHA	EUKRONIA HAMATA	40	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CLADOCERA	EVADNE NORMANI	16	0
CNIDARIA	BLACKFORDIA SPECIES	8	0
	CORYNE TUBULOSA	8	0
	OBELIA SPECIES	8	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	49	2
FISH	FISH EGGS	184	10
GAMMARIDEA	ISCHYROCERUS ANGUIPES	8	0
GOBIESOCIDAE	GOBIESOX MAEANDRICUS	1	3
HYPERIDEA	PARATHEMISTO SPECIES	8	0
ISOPODA	IDOTEA UROTOMA	16	0
	PENTIDOTEA RESECTA	8	0
MOLLUSCA	NOTOACMEA SCUTUM	8	0
NATANTIA	NATANTIA ZOEA	416	60

LOCATION = NAIR YEAR = 1980 MONTH = 9 DAY = 25 SAMPLE VOLUME = 45 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
AEOLID	AEOLID SPECIES	8	0
CALANOIDA	CALANOID COPEDID	8	0
	CALANUS GLACIALIS	8	0
	METRIDIA PACIFICA	8	0
	PARACALANUS PARVIS	8	0
	PSEUDOCALANUS MINUTUS	24	0
	TORTANUS DISCAUDATUS	544	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	912	30
CIRRIPEDIA	BARNACLE NAUPLII	8	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	75	40
CUMACEAE	CUMELLA SPECIES	8	0
	DIASTYLOPSIS SPECIES	96	2
	LAMPROPS QUADRIPLICATA	224	8
FISH	FISH EGGS	16	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	16	0
GAMMARIDEA	AOROIDES COLUMBIAE	8	0
	COROPHIUM SPECIES	8	0
	HIPPOMEDON SPECIES	24	0
	HYALE FREQUENS	56	3
	ISCHYROCERUS ANGUIPES	56	2
	MELITA SPECIES	88	5
	PONTOGENEIA INERMIS	16	0
	PONTOGENEIA ROSTRATA	8	0
	STENOTHOE SPECIES	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	PORCELLIDIUM SPECIES	32	0
HYPERIDEA	HYPERIDEA SPECIES	16	0
	PARATHEMISTO SPECIES	16	0

ISOPODA	IDOTEA UROTOMA	16	0
	PENTIDOTEA RESECTA	8	0
MOLLUSCA	GALEOMATACEAE (SUPERFAMILY)	8	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	8	0
NATANTIA	CRANGON DALLI	15	10
	NATANTIA ZOEA	40	0
NEMATODA	NEMATODA SPECIES	288	0
OSTRACODA	OSTRACODA SPECIES	8	0
POLYCHAETA	CAPITELLA CAPITATA	40	0
	NEREIS SPECIES	16	0
	POLYCHAETA SPECIES	32	0

LOCATION = NAIR YEAR = 1980 MONTH = 9 DAY = 25 SAMPLE VOLUME = 40 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	8	0
CALANOIDA	CALANOID COPEDID	48	0
	CALANUS PACIFICUS	16	0
	EPILABIDOCERA AMPHITRITES	24	0
	PSEUDOCALANUS MINUTUS	16	0
	TORTANUS DISCAUDATUS	72	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	592	30
	CAPRELLA LEVIUSCULA	72	0
	TRITELLA PILIMANA	184	10
FISH	FISH EGGS	8	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	8	0
GAMMARIDEA	AMPHITHOE LINDBERGI	56	0
	AOROIDES COLUMBIAE	16	0
	HYALE FREQUENS	136	0
	HYALE GRANDECORNIS	40	0
	ISCHYROCERUS ANGUIPES	232	10
	PONTOGENEIA INERMIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	64	0
	HARPACTICUS SPECIES	8	0
	PORCELLIDIUM SPECIES	112	0
ISOPODA	IDOTEA RUFESCENS	16	0
	IDOTEA UROTOMA	8	0
	PENTIDOTEA RESECTA	25	20
MOLLUSCA	LACUNA CARINATA	16	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	7	20
	HIPPOLYTE CLARKI	11	10
	NATANTIA ZOEA	32	0
OSTRACODA	OSTRACODA SPECIES	8	0

LOCATION = NAIR YEAR = 1981 MONTH = 3 DAY = 23 SAMPLE VOLUME = 4 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	3376	100
CALANOIDA	AETEDIUS ARMATUS	16	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	4	0
	METRIDIA PACIFICA	15	0
	MONSTRILLA SPECIES	7	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	20	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CLADOCERA	PODON POLYPHEMOIDES	3	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	3	0
CNIDARIA	CORYNE TUBULOSA	5	0
	EUPHYSA TENTACULATA	1	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	5	0
FISH	FISH EGGS	2	0
	FISH LARVAE	10	0
HYPERIDEA	PARATHEMISTO SPECIES	1	0
LARVACEA	OIKOPLEURA DIOICA	112	0
NATANTIA	NATANTIA ZOEA	112	0
NEMATODA	NEMATODA SPECIES	26	0
OSTRACODA	OSTRACODA SPECIES	1	0
POLYCHAETA	CIRRATULUS SPECIES	1	0
	SPIONIDAE SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 3 DAY = 23 SAMPLE VOLUME = 7 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1434	99
CALANOIDA	ACARTIA LONGIREMUS	2	0
	AETEDIUS ARMATUS	8	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	1	0
	METRIDIA PACIFICA	8	0
	MONSTRILLA SPECIES	3	0
	PSEUDOCALANUS MINUTUS	4	0
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	38	0
CHAETOGNATHA	SAGITTA SPECIES	6	0
CIRRIPEDIA	BARNACLE NAUPLII	1	0
CLUPEIDAE	CLUPEID EGGS	3	1

CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	2	0
	OBELIA LONGISSIMA	3	0
	TUBULARIA PROLIFER	1	0
CUMACEAE	DIASTYLIS SPECIES	2	0
FISH	FISH LARVAE	5	0
FORAMINIFERIDIA	FORAMINIFERIDIA SPECIES	8	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	19	0
	FOXIPHALUS SIMILIS	3	0
	ISCHYROCERUS ANGUIPES	5	0
	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	1	0
	PORCELLIDIUM SARSI	7	0
ISOPODA	IDOTEA RUFESCENS	2	0
	MUNNA STEPHENSONI	1	0
LARVACEA	OIKOPLEURA DIOICA	11	0
MOLLUSCA	PELECYPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	31	0
NEMATODA	NEMATODA SPECIES	1	0
OSTRACODA	OSTRACODA SPECIES	30	0

LOCATION = NAIR YEAR = 1981 MONTH = 4 DAY = 18 SAMPLE VOLUME = 22 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1556	30
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	4	0
	CALANOID COPEDID	28	0
	CALANUS GLACIALIS	24	0
	CENTROPHAGES ABDOMINALIS	4	0
	EUCALANUS BUNGI BUNGI	4	0
	EURYTEMORA HIRUNDOIDES	12	0
	METRIDIA PACIFICA	8	0
	PSEUDOCALANUS MINUTUS	4	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	5614	70
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CLUPEIDAE	CLUPEID EGGS	2	0
	CLUPEID LARVAE	102	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	6	0
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	HYALE FREQUENS	4	0
HARPACTICOIDA	HARPACTICOID SPECIES	30	0
	HARPACTICUS SPECIES	2	0

ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	276	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	MITRELLA CARINATA	4	0
	PELECYPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	26	0
POLYCHAETA	SPIONIDAE SPECIES	4	0

LOCATION = NAIR YEAR = 1981 MONTH = 4 DAY = 21 SAMPLE VOLUME = 15 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	305	10
CALANOIDA	ACARTIA LONGIREMUS	13	0
	AETEDIUS ARMATUS	3	0
	CALANUS GLACIALIS	97	5
	CENTROPHAGES ABDOMINALIS	2	0
	EUCALANUS BUNGI BUNGI	2	0
	EURYTEMORA HIRUNDOIDES	84	3
	METRIDIA PACIFICA	10	0
	MICROCALANUS PYGMAEUS	5	0
	MONSTRILLA SPECIES	3	0
	PSEUDOCALANUS MINUTUS	24	2
	SCOLOCITHRICELLA MINOR	9	0
CIRRIPEDIA	BARNACLE NAUPLII	205	7
	CYPRIS LARVA	221	8
CNIDARIA	BLACKFORDIA SPECIES	132	10
	CNIDARIA SPECIES	1	0
	CORYNE TUBULOSA	500	40
	EUPHYSA TENTACULATA	1	0
	OBELIA LONGISSIMA	24	0
	RATHKEA OCTOPUNCTATA	277	10
	TUBULARIA PROLIFER	6	0
CUMACEAE	LAMPROPS QUADRIPLICATA	4	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	1	0
	FISH LARVAE	7	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	ISCHYROCERUS ANGUIPES	13	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	33	0
	HARPACTICUS SPECIES	10	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	205	5
MOLLUSCA	GASTROPODA JUVENILE	10	0
NATANTIA	NATANTIA ZOEA	6	0
PHOLIDAE	PHOLIDAE SPECIES	5	0
POLYCHAETA	SPIONIDAE SPECIES	10	0

LOCATION - NAIR YEAR - 1981 MONTH - 4 DAY - 21 SAMPLE VOLUME - 8 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	74	10
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	1	0
	EURYTEMORA HIRUNDOIDES	65	10
	METRIDIA PACIFICA	4	0
	MONSTRILLA SPECIES	1	0
	PSEUDOCALANUS MINUTUS	1	0
	SCOLOCITHRICELLA MINOR	3	0
CIRRIPEDIA	BARNACLE NAUPLII	51	20
	CYPRIS LARVA	78	30
CLADOCERA	EVADNE NORMANI	1	0
CNIDARIA	BLACKFORDIA SPECIES	10	5
	CORYNE TUBULOSA	5	0
	OBELIA LONGISSIMA	8	5
	RATHKEA OCTOPUNCTATA	20	10
	TUBULARIA PROLIFER	1	0
CUMACEAE	LAMPROPS QUADRIPLICATA	3	0
FISH	FISH EGGS	5	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	7	0
HARPACTICOIDA	HARPACTICOID SPECIES	13	0
	HARPACTICUS SPECIES	3	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	66	10
MOLLUSCA	GASTROPODA JUVENILE	3	0
NATANTIA	NATANTIA ZOEA	5	0

LOCATION - NAIR YEAR - 1981 MONTH - 5 DAY - 4 SAMPLE VOLUME - 17 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	730	60
	PUGETTIA RICHII	1	10
CALANOIDA	ACARTIA LONGIREMUS	6	0
	AETEDIUS ARMATUS	2	0
	CALANOID COPEDID	6	0
	CALANUS GLACIALIS	37	0
	CENTROPHAGES ABDOMINALIS	2	0
	EUCALANUS BUNGI BUNGI	23	0
	EURYTEMORA HIRUNDOIDES	99	0
	METRIDIA PACIFICA	59	0
	PSEUDOCALANUS MINUTUS	99	0
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	1	0

CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	93	0
	CYPRIS LARVA	5	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CLUPEIDAE	CLUPEID EGGS	1	0
CNIDARIA	BLACKFORDIA SPECIES	11	0
	CORYNE TUBULOSA	24	0
	EUPHYSA TENTACULATA	1	0
	RATHKEA OCTOPUNCTATA	164	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
	LAMPROPS QUADRIPLICATA	4	0
FISH	FISH EGGS	1	0
	FISH LARVAE	4	0
GADIDAE	GADUS MACROCEPHALUS	1	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	6	0
	ISCHYROCERUS ANGUIPES	14	0
	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	20	0
	HARPACTICUS SPECIES	39	0
ISOPODA	IDOTEA OCHOTENSIS	2	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	731	20
MOLLUSCA	GASTROPODA JUVENILE	12	0
	LIRULARIA SPECIES	1	0
NATANTIA	CRANGON SPECIES	1	0
	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	72	0
POLYCHAETA	NEREIS SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 4 SAMPLE VOLUME = 35 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	316	30
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANUS GLACIALIS	4	0
	CENTROPHAGES ABDOMINALIS	4	0
	EUCALANUS BUNGI BUNGI	12	1
	EURYTEMORA HIRUNDOIDES	44	5
	METRIDIA PACIFICA	8	1
	PSEUDOCALANUS MINUTUS	22	3
	SCOLOCITHRICELLA MINOR	4	0
CIRRIPEDIA	BARNACLE NAUPLII	24	0
CNIDARIA	BLACKFORDIA SPECIES	12	2
	CORYNE TUBULOSA	18	3
	DIPLEUROSOMA TYPICUM	2	0
	EUPHYSA TENTACULATA	8	0
	RATHKEA OCTOPUNCTATA	56	5
	TUBULARIA PROLIFER	4	0

CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	16	0
	FISH LARVAE	2	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	32	0
	HARPACTICUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	852	50
MOLLUSCA	GASTROPODA JUVENILE	62	0
NATANTIA	NATANTIA ZOEA	20	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 6 SAMPLE VOLUME = 21 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	28096	70
CALANOIDA	ACARTIA LONGIREMUS	24	0
	AETEDIUS ARMATUS	24	0
	CALANOID COPEDID	56	0
	CALANUS GLACIALIS	72	0
	EURYTEMORA HIRUNDOIDES	8	0
	METRIDIA PACIFICA	24	0
	PSEUDOCALANUS MINUTUS	32	0
	SCOLOCITHRICELLA MINOR	8	0
CHAETOGNATHA	SAGITTA SPECIES	48	0
CIRRIPEDIA	BARNACLE NAUPLII	9896	30
	CYPRIS LARVA	8	0
CNIDARIA	BLACKFORDIA SPECIES	56	0
	CORYNE TUBULOSA	8	0
	OBELIA LONGISSIMA	24	0
CUMACEAE	LAMPROPS QUADRIPLICATA	8	0
FISH	FISH EGGS	8	0
	FISH LARVAE	64	0
GAMMARIDEA	AMPHITHOE LACERTOSA	8	0
	AOROIDES COLUMBIAE	8	0
	CALLIOPIELLA PRATTI	48	0
	ISCHYROCERUS ANGUIPES	48	0
	PONTOGENEIA INERMIS	32	0
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	HARPACTICUS SPECIES	184	0
INSECTA	EPHYDRIDAE LARVAE	720	0
ISOPODA	EUSYMMERUS SPECIES	16	0
	IDOTEA RUFESCENS	8	0
LARVACEA	OIKOPLEURA DIOICA	832	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	8	0
	MITRELLA CARINATA	8	0
NATANTIA	NATANTIA ZOEA	1272	0
PHOLIDAE	PHOLIDAE SPECIES	8	0
POLYCHAETA	NEREIS SPECIES	24	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 21 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	3560	35
	PUGETTIA RICHII	1	25
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	40	1
	CENTROPHAGES ABDOMINALIS	4	0
	EUCALANUS BUNGI BUNGI	2	0
	EURYTEMORA HIRUNDOIDES	6	0
	METRIDIA PACIFICA	88	2
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	152	3
	SCOLOCITHRICELLA MINOR	26	0
	TORTANUS DISCAUDATUS	6	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	2	0
CLADOCERA	PODON POLYPHEMOIDES	4	0
CNIDARIA	BLACKFORDIA SPECIES	18	0
	CORYNE TUBULOSA	116	2
	EUPHYSA TENTACULATA	4	0
	RATHKEA OCTOPUNCTATA	176	3
COTTIDAE	BLEPSIAS CIRRHOSUS	2	15
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	10	0
	FISH LARVAE	8	0
GAMMARIDEA	CALLIOPIELLA PRATTI	66	1
	ISCHYROCERUS ANGUIPES	4	0
	ODIUS SPECIES (CARANATA GROUP)	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	4	0
	PONTOGENEIA INERMIS	68	1
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	72	0
ISOPODA	GNORIMOSPHAEROMA OREGONENSIS	2	0
	PENTIDOTEA RESECTA	1	5
LARVACEA	OIKOPLEURA DIOICA	384	2
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	26	0
	LACUNA CARINATA	46	0
	MITRELLA CARINATA	16	0
NATANTIA	NATANTIA ZOEA	86	0
SYNGNATHIDAE	SYNGNATHUS GRISEOLINEATA	1	5

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 14 SAMPLE VOLUME = 13 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	1	0
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	382	30
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANUS GLACIALIS	3	0
	CENTROPHAGES ABDOMINALIS	1	0
	EPILABIDOCERA AMPHITRITES	3	0
	PSEUDOCALANUS MINUTUS	3	0
	SCOLOCITHRICELLA MINOR	1	0
CLADOCERA	PODON POLYPHEMOIDES	1	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	71	20
	RATHKEA OCTOPUNCTATA	156	50
GAMMARIDEA	AMPHITHOE LINDBERGI	1	0
	CALLIOPIELLA PRATTI	5	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INTERMEDIA	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	25	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	24	0
	LACUNA CARINATA	12	0
	MITRELLA CARINATA	19	0
	MITRELLA GOULDI	14	0
	TURBONILLA VALDEZI	1	0
NATANTIA	NATANTIA ZOEA	19	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 27 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BOTHIDAE	CITHARICHTHYS STIGMAEUS	1	20
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	182	5
CALANOIDA	ACARTIA LONGIREMUS	12	0
	CALANUS GLACIALIS	18	2
	EPILABIDOCERA AMPHITRITES	6	0
	EURYTEMORA HIRUNDOIDES	50	3
	PSEUDOCALANUS MINUTUS	10	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	6	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	6	0

CIRRIPEDIA	BARNACLE NAUPLII	16	0
CLUPEIDAE	CLUPEA HARENGUS PALLASI	2	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	18	0
	RATHKEA OCTOPUNCTATA	76	0
	TUBULARIA PROLIFER	2	0
CUMACEAE	DIASTYLOPSIS SPECIES	996	15
	LAMPROPS QUADRIPLICATA	2342	45
FISH	FISH EGGS	16	0
	FISH LARVAE	2	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	4	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	2	0
	AMPHITHOE LACERTOSA	2	0
	CALLIOPIELLA PRATTI	14	0
	CALLIOPIUS LAEVIUSCULUS	26	2
	EOHAUSTORIUS WASHINGTONIANUS	28	2
	FOXIPHALUS SIMILIS	22	1
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	8	0
	PHOTIS BREVIPES	4	0
	PONTOGENEIA INERMIS	28	0
	SYNCHELIDIUM SHOEMAKERI	144	3
HARPACTICOIDA	HARPACTICOID SPECIES	56	0
	HARPACTICUS SPECIES	16	0
ISOPODA	IDOTEA RUFESCENS	2	0
MOLLUSCA	GASTROPODA JUVENILE	4	0
	LACUNA CARINATA	4	0
	PELECYPODA JUVENILE	16	0
NATANTIA	CRANGON SPECIES	124	0
	NATANTIA ZOEA	4	0
NEMATODA	NEMATODA SPECIES	2	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	CIRRATULUS SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 21 SAMPLE VOLUME = 12 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	16	0
	BRACHYURA ZOEA	223	70
CALANOIDA	ACARTIA LONGIREMUS	2	0
	CALANUS GLACIALIS	2	0
	CENTROPHAGES ABDOMINALIS	3	0
	EURYTEMORA HIRUNDOIDES	18	5
	PSEUDOCALANUS MINUTUS	2	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	7	0
CLADOCERA	EVADNE NORMANI	1	0
	PODON POLYPHEMOIDES	4	0
CNIDARIA	RATHKEA OCTOPUNCTATA	24	0

CUMACEAE	DIASTYLOPSIS SPECIES	1	0
	LAMPROPS QUADRIPLICATA	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	164	20
	FISH LARVAE	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	PORCELLIDIUM SARSI	1	0
ISOPODA	EUSYMMERUS SPECIES	6	0
	MUNNA STEPHENSONI	1	0
LARVACEA	OIKOPLEURA DIOICA	38	5
MOLLUSCA	AMPHISSA VERSICOLOR	1	0
	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	10	0
	MARGARITES PUPILLIS	1	0
	MITRELLA CARINATA	1	0
	TURBONILLA VALDEZI	1	0
NATANTIA	NATANTIA ZOEA	8	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 24 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	1116	50
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	10	0
	CALANOID COPEDID	6	0
	CALANUS GLACIALIS	42	0
	CENTROPHAGES ABDOMINALIS	6	0
	EUCALANUS BUNGI BUNGI	2	0
	EURYTEMORA HIRUNDOIDES	14	0
	METRIDIA PACIFICA	18	0
	PSEUDOCALANUS MINUTUS	16	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	8	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	82	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	36	0
	RATHKEA OCTOPUNCTATA	80	20
COTTIDAE	COTTID SPECIES	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	2	0
GAMMARIDEA	PONTOGENEIA INTERMEDIA	2	0
HARPACTICOIDA	HARPACTICUS SPECIES	12	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	GNATHIA SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	404	30
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	2	0
	TURBONILLA VALDEZI	2	0
NATANTIA	CRANGON SPECIES	2	0

	NATANTIA ZOEA	14	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 26 SAMPLE VOLUME = 9 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	471	70
CALANOIDA	ACARTIA LONGIREMUS	4	0
	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	1	0
	CALANUS GLACIALIS	1	0
	CENTROPHAGES ABDOMINALIS	1	0
	EURYTEMORA HIRUNDOIDES	14	10
	METRIDIA PACIFICA	3	0
	PSEUDOCALANUS MINUTUS	8	0
	SCOLOCITHRICELLA MINOR	2	0
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	19	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	3	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	1	0
	CORYNE TUBULOSA	3	0
	RATHKEA OCTOPUNCTATA	21	20
COLEOPTERA	STAPHYLINIDAE SPECIES	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	1	0
FORAMINIFERIDIA	ELPHIDIELLA SPECIES	1	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
	LAETMATOPHILUS (PHOTIS) SPECIES	1	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PONTOGENEIA INERMIS	1	0
	PONTOGENEIA INTERMEDIA	3	0
HARPACTICOIDA	HARPACTICOID SPECIES	2	0
	HARPACTICUS SPECIES	4	0
INSECTA	APHIDIDAE SPECIES	2	0
	CHIRONIMIDAE ADULT	1	0
ISOPODA	GNATHIA SPECIES	8	0
LARVACEA	OIKOPLEURA DIOICA	58	0
MOLLUSCA	AMPHISSA VERSICOLOR	1	0
	EUBRANCHUS OLIVACEUS	6	0
	GASTROPODA JUVENILE	13	0
	LACUNA CARINATA	2	0
	MARGARITES PUPILLIS	2	0
	TURBONILLA VALDEZI	1	0
NATANTIA	NATANTIA ZOEA	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 22 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
PHOLIDAE	XERXERPES FUCORUM	1	100

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 22 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	240	10
CALANOIDA	ACARTIA LONGIREMUS	104	5
	CALANOID COPEDID	2	0
	CALANOID NAUPLII	16	0
	CENTROPHAGES ABDOMINALIS	10	0
	EURYTEMORA HIRUNDOIDES	574	15
	PARACALANUS PARVIS	104	5
	PSEUDOCALANUS MINUTUS	60	5
	SCOLOCITHRICELLA MINOR	16	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	1592	40
	CYPRIS LARVA	14	0
CLADOCERA	EVADNE NORMANI	8	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	10	2
	CORYNE TUBULOSA	12	2
	RATHKEA OCTOPUNCTATA	16	2
CUMACEAE	LAMPROPS QUADRIPLICATA	10	0
FISH	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	32	4
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	4	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	6	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	96	0
	HARPACTICUS SPECIES	80	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	136	0
MOLLUSCA	GASTROPODA JUVENILE	54	0
	MITRELLA CARINATA	2	0
MYSIDACEAE	ACANTHOMYSIS MACROPSIS	2	0
	ACANTHOMYSIS NEPHROPHTHALMUS	2	0
NATANTIA	NATANTIA ZOEA	48	0
PHOLIDAE	PHOLIDAE SPECIES	2	0
POLYCHAETA	SPIONIDAE SPECIES	26	0

LOCATION = NAIR YEAR = 1981 MONTH = 5 DAY = 31 SAMPLE VOLUME = 28 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	42	10
CALANOIDA	ACARTIA LONGIREMUS	40	0
	CALANOID COPEDID	10	0
	CALANOID NAUPLII	12	0
	CENTROPHAGES ABDOMINALIS	10	0
	EURYTEMORA HIRUNDOIDES	1414	90
	PARACALANUS PARVIS	6	0
	PSEUDOCALANUS MINUTUS	4	0
	SCOLOCITHRICELLA MINOR	28	0
CIRRIPEDIA	BARNACLE NAUPLII	20	0
	CYPRIS LARVA	10	0
CLADOCERA	EVADNE NORMANI	10	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	2	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	4	0
	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	54	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	144	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	2	0
	GASTROPODA JUVENILE	14	0
	MITRELLA CARINATA	6	0
	MITRELLA GOULDI	8	0
NATANTIA	NATANTIA ZOEA	6	0
POLYCHAETA	SPIONIDAE SPECIES	4	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 30 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	28	0
CALANOIDA	PSEUDOCALANUS MINUTUS	100	3
	SCOLOCITHRICELLA MINOR	70	2
	TORTANUS DISCAUDATUS	6	0
CIRRIPEDIA	BARNACLE NAUPLII	28	0
	CYPRIS LARVA	82	0
CNIDARIA	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	1760	90
COTTIDAE	COTTID SPECIES	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	40	5
	ISCHYROCERUS ANGUIPES	10	0

	PLEUSTES SPECIES (PANOPLA) GROUP A	8	0
	PLEUSTES SPECIES GROUP E	2	0
	PONTOGENEIA INERMIS	6	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	252	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	28	0
MOLLUSCA	GASTROPODA JUVENILE	12	0
	LACUNA CARINATA	22	0
NATANTIA	HEPTACARPUS BREVIROSTRIS	4	0
	HEPTACARPUS CARINATUS	4	0
	HIPPOLYTE CLARKI	18	0
	NATANTIA ZOEA	12	0
PHOLIDAE	APODICHTHYS FLAVIDUS	2	0
	PHOLIDAE SPECIES	4	0
POLYCHAETA	POLYCHAETA SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 9 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	7	0
	BRACHYURA ZOEA	15	0
CALANOIDA	AETEDIUS ARMATUS	1	0
	CALANUS GLACIALIS	5	0
	CALANUS PACIFICUS	9	0
	EPILABIDOCERA AMPHITRITES	2	0
	PARACALANUS PARVIS	14	0
	PSEUDOCALANUS MINUTUS	30	0
	SCOLOCITHRICELLA MINOR	6	0
CIRRIPEDIA	BARNACLE NAUPLII	19	0
	CYPRIS LARVA	204	10
CLADOCERA	EVADNE NORMANI	9	0
	PODON POLYPHEMOIDES	9	0
CNIDARIA	CORYNE TUBULOSA	1	0
	RATHKEA OCTOPUNCTATA	1293	90
COTTIDAE	COTTID SPECIES	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
GAMMARIDEA	PARAPLEUSTES PUGETTENSIS	1	0
	PROTOMEDIA SPECIES	1	0
HARPACTICOIDA	HARPACTICUS SPECIES	22	0
	PORCELLIDIUM SARSI	2	0
LARVACEA	OIKOPLEURA DIOICA	2	0
MOLLUSCA	GASTROPODA JUVENILE	18	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	3	0
POLYCHAETA	POLYCHAETA SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 10 SAMPLE VOLUME = 15 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	5	0
	BRACHYURA ZOEA	160	10
CALANOIDA	ACARTIA LONGIREMUS	84	5
	CALANOID COPEDID	7	0
	CALANUS GLACIALIS	40	5
	CENTROPHAGES ABDOMINALIS	8	0
	EUCALANUS BUNGI BUNGI	1	0
	EURYTEMORA HIRUNDOIDES	27	0
	PSEUDOCALANUS MINUTUS	76	5
	SCOLOCITHRICELLA MINOR	46	5
CHAETOGNATHA	SAGITTA SPECIES	1	0
CIRRIPEDIA	BARNACLE NAUPLII	126	5
	CYPRIS LARVA	152	5
CLADOCERA	EVADNE NORMANI	14	0
	PODON POLYPHEMOIDES	127	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	5	0
	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	1032	50
	TUBULARIA PROLIFER	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
CYCLOPOIDA	OITHONA SPINIROSTRIS	2	0
FISH	FISH EGGS	274	10
	FISH LARVAE	2	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	4	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	14	0
	HARPACTICUS SPECIES	56	0
	PORCELLIDIUM SARSI	5	0
ISOPODA	IDOTEA RUFESCENS	1	0
	IDOTEA UROTOMA	1	0
	PENTIDOTEA RESECTA	1	0
LARVACEA	OIKOPLEURA DIOICA	111	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	157	0
	LACUNA CARINATA	2	0
NATANTIA	NATANTIA ZOEA	23	0
POLYCHAETA	AUTOLYTUS SPECIES	1	0
	SPIONIDAE SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 170 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	7104	9
	PUGETTIA GRACILIS	1	10
CALANOIDA	CALANUS GLACIALIS	64	0
	CENTROPHAGES ABDOMINALIS	48	0
	EURYTEMORA HIRUNDOIDES	48	0
	PSEUDOCALANUS MINUTUS	528	0
	SCOLOCITHRICELLA MINOR	176	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	32	0
	CAPRELLA LEVIUSCULA	16	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	64	0
CLADOCERA	EVADNE NORMANI	16	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	BLACKFORDIA SPECIES	48	0
	CORYNE TUBULOSA	384	0
	DIPLEUROSOMA TYPICUM	32	0
	EUPHYSA TENTACULATA	96	0
	RATHKEA OCTOPUNCTATA	24608	81
	TUBULARIA CHRISTINAE	64	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	64	0
CUMACEAE	LAMPROPS QUADRIPLICATA	16	0
FISH	FISH LARVAE	16	0
GAMMARIDEA	PONTOGENEIA INERMIS	80	0
HARPACTICOIDA	HARPACTICOID SPECIES	48	0
	HARPACTICUS SPECIES	128	0
LARVACEA	OIKOPLEURA DIOICA	48	0
MOLLUSCA	GASTROPODA JUVENILE	448	0
NATANTIA	NATANTIA ZOEA	144	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 22 SAMPLE VOLUME = 150 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	2672	5
CALANOIDA	ACARTIA LONGIREMUS	16	0
	CENTROPHAGES ABDOMINALIS	16	0
	PSEUDOCALANUS MINUTUS	96	0
	SCOLOCITHRICELLA MINOR	32	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
	CYPRIS LARVA	32	0
CLADOCERA	PODON POLYPHEMOIDES	160	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	176	0
	EUPHYSA TENTACULATA	80	0
	OBELIA LONGISSIMA	16	0

	RATHKEA OCTOPUNCTATA	24576	95
CTENOPHORA	PLEUROBRANCHIA BACHEI	32	0
FISH	FISH EGGS	32	0
GAMMARIDEA	HYALE FREQUENS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	144	0
ISOPODA	PENTIDOTEA RESECTA	16	0
LARVACEA	OIKOPLEURA DIOICA	48	0
MOLLUSCA	GASTROPODA JUVENILE	432	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 18 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	5	0
	BRACHYURA ZOEA	375	10
CALANOIDA	ACARTIA LONGIREMUS	54	0
	CALANOID COPEDID	16	0
	CALANUS GLACIALIS	40	10
	CENTROPHAGES ABDOMINALIS	37	0
	EURYTEMORA HIRUNDOIDES	9	0
	PSEUDOCALANUS MINUTUS	241	10
	SCOLOCITHRICELLA MINOR	3	0
	TORTANUS DISCAUDATUS	12	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	41	0
	CYPRIS LARVA	2	0
CLADOCERA	EVADNE NORMANI	6	0
	PODON POLYPHEMOIDES	31	0
CNIDARIA	BLACKFORDIA SPECIES	26	0
	CORYNE TUBULOSA	76	10
	OBELIA LONGISSIMA	17	0
	RATHKEA OCTOPUNCTATA	283	20
	TUBULARIA PROLIFER	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CYCLOPTERIDAE	LIPARIS FLORAE	1	0
FISH	FISH EGGS	53	0
	FISH LARVAE	2	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	1	0
	CALLIOPIELLA PRATTI	79	15
	HYALE FREQUENS	14	3
	ISCHYROCERUS ANGUIPES	9	2
	PARAPLEUSTES PUGETTENSIS	8	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	1	0
	PLEUSTES SPECIES GROUP D	1	0
	PONTOGENEIA INERMIS	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	188	5
	HARPACTICUS SPECIES	197	5
	PORCELLIDIUM SARSI	3	0
ISOPODA	GNATHIA SPECIES	1	0
	IDOTEA RUFESCENS	1	0
	IDOTEA UROTOMA	2	0

LARVACEA	OIKOPLEURA DIOICA	18	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	7	0
	MARGARITES PUPILLIS	1	0
	MITRELLA CARINATA	1	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	8	0
NATANTIA	HIPPOLYTE CLARKI	5	0
	NATANTIA ZOEA	300	10
POLYCHAETA	NEREIS SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 6 DAY = 28 SAMPLE VOLUME = 20 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	284	20
CALANOIDA	ACARTIA LONGIREMUS	44	5
	CALANUS GLACIALIS	26	5
	CENTROPHAGES ABDOMINALIS	10	0
	MONSTRILLA SPECIES	2	0
	PSEUDOCALANUS MINUTUS	32	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	10	0
CIRRIPEDIA	BARNACLE NAUPLII	40	0
CLADOCERA	PODON POLYPHEMOIDES	6	0
CNIDARIA	BLACKFORDIA SPECIES	10	0
	CORYNE TUBULOSA	30	0
	OBELIA LONGISSIMA	20	0
	POLYORCHIS KARAFUTOENSIS	2	0
	RATHKEA OCTOPUNCTATA	426	70
	TUBULARIA PROLIFER	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	4	0
CUMACEAE	DIASTYLOPSIS SPECIES	2	0
	LAMPROPS QUADRIPLICATA	2	0
FISH	FISH EGGS	82	0
GAMMARIDEA	CALLIOPIELLA PRATTI	8	0
	HYALE FREQUENS	2	0
	ISCHYROCERUS ANGUIPES	2	0
	PLEUSTES SPECIES (PANOPLA) GROUP A	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	4	0
	HARPACTICUS SPECIES	24	0
LARVACEA	OIKOPLEURA DIOICA	72	0
MOLLUSCA	GASTROPODA JUVENILE	10	0
	LACUNA CARINATA	38	0
NATANTIA	NATANTIA ZOEA	62	0

LOCATION = NAIR YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 20 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	1	0
	BRACHYURA ZOEA	95	30
CALANOIDA	ACARTIA LONGIREMUS	4	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	3	0
CHAETOGNATHA	SAGITTA SPECIES	2	0
CIRRIPEDIA	BARNACLE NAUPLII	9	0
	CYPRIS LARVA	1	0
CLADOCERA	EVADNE NORMANI	3	0
CNIDARIA	CORYNE TUBULOSA	6	0
	RATHKEA OCTOPUNCTATA	2	0
	SOLMISSUS MARSHALLI	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	3	0
CUMACEAE	DIASTYLOPSIS SPECIES	1	0
	LAMPROPS QUADRIPLICATA	1	0
FISH	FISH EGGS	11	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	1	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	14	0
	HARPACTICUS SPECIES	89	30
LARVACEA	OIKOPLEURA DIOICA	17	0
MOLLUSCA	GASTROPODA JUVENILE	7	0
	LACUNA CARINATA	8	0
	MITRELLA CARINATA	1	0
MYSIDACEAE	ACANTHOMYSIS DAVISI	1	0
	ACANTHOMYSIS MACROPSIS	22	0
NATANTIA	NATANTIA ZOEA	12	0
	PANDALUS DANAE	1	40
OSTRACODA	OSTRACODA SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 7 DAY = 13 SAMPLE VOLUME = 24 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	5	0
	BRACHYURA ZOEA	144	40
BRYOZOA	CYPHONAUTES LARVA	1	0
CALANOIDA	CALANUS GLACIALIS	1	0
	METRIDIA PACIFICA	1	0
	PSEUDOCALANUS MINUTUS	2	0
	TORTANUS DISCAUDATUS	1	0
CALICOIDA	CALIGUS SPECIES	4	0
CHAETOGNATHA	SAGITTA SPECIES	8	0
CIRRIPEDIA	BARNACLE NAUPLII	37	10

CLADOCERA	EVADNE NORMANI	4	0
CNIDARIA	BLACKFORDIA SPECIES	3	0
	CORYNE TUBULOSA	1	0
	OBELIA LONGISSIMA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	26	40
FISH	FISH EGGS	24	0
GAMMARIDEA	CALLIOPIELLA PRATTI	1	0
	ISCHYROCERUS ANGUIPES	1	0
	ODIUS SPECIES (CARANATA GROUP)	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	3	0
	HARPACTICUS SPECIES	1	0
INSECTA	DIPTERA ADULT	2	0
LARVACEA	OIKOPLEURA DIOICA	22	0
MOLLUSCA	LACUNA CARINATA	1	0
	MITRELLA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	40	10
OSTRACODA	OSTRACODA SPECIES	1	0
PHOLIDAE	PHOLIDAE SPECIES	2	0
TURBELLARIA	TURBELLARIA SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 7 DAY = 17 SAMPLE VOLUME = 30 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	566	10
CALANOIDA	CALANOID COPEDID	8	0
	EURYTEMORA HIRUNDOIDES	2	0
	METRIDIA PACIFICA	8	0
	SCOLOCITHRICELLA MINOR	2	0
CIRRIPEDIA	BARNACLE NAUPLII	110	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	48	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	16	0
	CORYNE TUBULOSA	18	0
	EUPHYSA TENTACULATA	46	20
	OBELIA LONGISSIMA	2	0
	RATHKEA OCTOPUNCTATA	152	20
CTENOPHORA	PLEUROBRANCHIA BACHEI	220	40
CUMACEAE	DIASTYLOPSIS SPECIES	12	0
	LAMPROPS QUADRIPLICATA	4	0
FISH	FISH EGGS	46	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	338	10
MOLLUSCA	GASTROPODA JUVENILE	10	0
NATANTIA	NATANTIA ZOEA	44	0
NEMATODA	NEMATODA SPECIES	14	0
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 7 DAY = 17 SAMPLE VOLUME = 30 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	30	10
BRYOZOA	CYPHONAUTES LARVA	2	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	94	30
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	18	0
	PODON POLYPHEMOIDES	8	0
CNIDARIA	BLACKFORDIA SPECIES	2	2
	EUPHYSA TENTACULATA	2	3
	RATHKEA OCTOPUNCTATA	4	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
FISH	FISH EGGS	80	20
	FISH LARVAE	4	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
ISOPODA	IDOTEA RUFESCENS	4	0
LARVACEA	OIKOPLEURA DIOICA	142	30
MOLLUSCA	GASTROPODA JUVENILE	6	0
	LACUNA CARINATA	6	0
NATANTIA	NATANTIA ZOEA	2	0
POLYCHAETA	SPIONIDAE SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 15 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	3	0
	BRACHYURA ZOEA	10	0
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	35	0
	CALANOID COPEDID	107	0
	CALANOID NAUPLII	38	0
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	10	0
	PSEUDOCALANUS MINUTUS	23	0
	SCOLOCITHRICELLA MINOR	6	0
	TORTANUS DISCAUDATUS	1	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	3612	60
	CYPRIS LARVA	16	0
CLADOCERA	EVADNE NORMANI	86	0
	PODON POLYPHEMOIDES	14	0
CNIDARIA	BLACKFORDIA SPECIES	4	0
	CORYNE TUBULOSA	20	0
	EUPHYSA TENTACULATA	27	0

	OBELIA LONGISSIMA	1	0
	RATHKEA OCTOPUNCTATA	5	0
	TUBULARIA PROLIFER	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	6	0
FISH	FISH EGGS	26	0
	FISH LARVAE	5	0
GAMMARIDEA	ISCHYROCERUS ANGUIPES	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	8	0
	HARPACTICUS SPECIES	143	0
ISOPODA	IDOTEA RUFESCENS	10	0
	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	1057	40
MOLLUSCA	EUBRANCHUS OLIVACEUS	1	0
	GASTROPODA JUVENILE	11	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	32	0
NEMATODA	NEMATODA SPECIES	1	0
POLYCHAETA	SPIONIDAE SPECIES	6	0

LOCATION = NAIR YEAR = 1981 MONTH = 7 DAY = 29 SAMPLE VOLUME = 26 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	12	0
CALANOIDA	ACARTIA LONGIREMUS	18	3
	CALANOID COPEDID	156	5
	CALANOID NAUPLII	64	0
	CALANUS GLACIALIS	6	1
	CENTROPHAGES ABDOMINALIS	4	1
	EPILABIDOCERA AMPHITRITES	2	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CIRRIPEDIA	BARNACLE NAUPLII	1436	40
	CYPRIS LARVA	14	0
CLADOCERA	EVADNE NORMANI	108	0
	PODON POLYPHEMOIDES	44	0
CNIDARIA	BLACKFORDIA SPECIES	10	0
	CORYNE TUBULOSA	40	5
	EUPHYSA TENTACULATA	38	5
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	12	0
CUMACEAE	CUMELLA SPECIES	2	0
FISH	FISH EGGS	42	0
GAMMARIDEA	CALLIOPIELLA PRATTI	2	0
	PONTOGENEIA INERMIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	6	0
	HARPACTICUS SPECIES	104	0
ISOPODA	IDOTEA RUFESCENS	10	0
	IDOTEA UROTOMA	2	0

LARVACEA	OIKOPLEURA DIOICA	1534	40
MOLLUSCA	GASTROPODA JUVENILE	22	0
	MYTILUS EDULIS	2	0
NATANTIA	NATANTIA ZOEA	20	0
POLYCHAETA	POLYCHAETA SPECIES	4	0
	SPIONIDAE SPECIES	4	0

LOCATION = NAIR YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 32 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS CAURINUS	2	0
BRACHYURA	BRACHYURA ZOEA	10	0
CALANOIDA	ACARTIA LONGIREMUS	14	0
	EPILABIDOCERA AMPHITRITES	4	0
	EURYTEMORA AMERICANA	2	0
	PSEUDOCALANUS MINUTUS	4	0
	SCOLOCITHRICELLA MINOR	2	0
	TORTANUS DISCAUDATUS	8	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	10	0
CHAETOGNATHA	SAGITTA SPECIES	66	0
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	16	0
CLADOCERA	EVADNE NORMANI	22	0
	PODON POLYPHEMOIDES	16	0
CNIDARIA	RATHKEA OCTOPUNCTATA	2	0
COTTIDAE	COTTID SPECIES	4	0
CUMACEAE	LAMPROPS QUADRIPLICATA	2	0
CYCLOPTERIDAE	CYCLOPTERIDAE SPECIES	2	0
GAMMARIDEA	AOROIDES COLUMBIAE	2	0
	CALLIOPIELLA PRATTI	68	5
	HYALE FREQUENS	4	0
	ISCHYROCERUS ANGUIPES	52	5
	PLEUSTES SPECIES (PANOPLA) GROUP A	26	5
	PONTOGENEIA INERMIS	56	5
	PONTOGENEIA IVANOVI	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	66	0
	HARPACTICUS SPECIES	2390	30
	PORCELLIDIUM SARSI	22	0
ISOPODA	GNATHIA SPECIES	2	0
	IDOTEA RUFESCENS	2	0
	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	4	0
MOLLUSCA	GASTROPODA JUVENILE	8	0
	LACUNA CARINATA	14	0
	MARGARITES PUPILLIS	2	0
	MITRELLA CARINATA	6	0
	MITRELLA GOULDI	4	0
MYSIDACEAE	ACANTHOMYSIS NEPHROPHTHALMUS	4	0
NATANTIA	CRANGON SPECIES	8	0
	HEPTACARPUS BREVIROSTRIS	140	20
	HEPTACARPUS CARINATUS	4	0

	HIPPOLYTE CLARKI	380	20
	NATANTIA ZOEA	12	0
NEMATODA	NEMATODA SPECIES	2	0
OSTRACODA	OSTRACODA SPECIES	2	0
POLYCHAETA	NEREIS SPECIES	94	10
	POLYCHAETA SPECIES	20	0
	SPIONIDAE SPECIES	18	0
TANAIDACEA	LEPTOGNATHIA GRACILIS	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 8 DAY = 7 SAMPLE VOLUME = 10 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	7	0
	BRACHYURA ZOEA	8	0
CALANOIDA	AETEDIUS SPECIES	1	0
	CALANOID COPEDID	8	1
	CALANOID NAUPLII	1	0
	CALANUS GLACIALIS	1	0
	EPILABIDOCERA AMPHITRITES	26	3
	PARACALANUS PARVIS	7	1
	PSEUDOCALANUS MINUTUS	9	1
	SCAPHOCALANUS BREVICORNIS	6	1
	SCOLOCITHRICELLA MINOR	18	3
CHAETOGNATHA	SAGITTA SPECIES	3	0
CIRRIPEDIA	BARNACLE NAUPLII	10	0
	CYPRIS LARVA	5	0
CLADOCERA	EVADNE NORMANI	472	40
	PODON POLYPHEMOIDES	66	0
CNIDARIA	BLACKFORDIA SPECIES	8	5
	CORYNE TUBULOSA	16	10
	RATHKEA OCTOPUNCTATA	5	5
	TUBULARIA PROLIFER	2	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	13	10
CUMACEAE	LEPTOCUMA SPECIES	1	0
GAMMARIDEA	PONTOGENEIA IVANOVI	2	0
	PROTOMEDIA SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	75	10
MOLLUSCA	LACUNA CARINATA	21	10
NATANTIA	NATANTIA ZOEA	5	0
POLYCHAETA	POLYCHAETA SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 12 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	30	0
CALANOIDA	CALANOID COPEDID	1	0
	EPILABIDOCERA AMPHITRITES	1	0
	PARACALANUS PARVIS	2	0
	PSEUDOCALANUS MINUTUS	11	0
	SCOLOCITHRICELLA MINOR	7	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
	CAPRELLA LEVIUSCULA	2	0
CIRRIPEDIA	BARNACLE CYPRIS	95	0
	BARNACLE NAUPLII	862	50
CLADOCERA	EVADNE NORMANI	459	5
	PODON POLYPHEMOIDES	390	5
CNIDARIA	BLACKFORDIA SPECIES	36	10
	CORYNE TUBULOSA	168	30
	OBELIA LONGISSIMA	7	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1	0
GAMMARIDEA	PONTOGENEIA INERMIS	5	0
	PONTOGENEIA ROSTRATA	5	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
	HARPACTICUS SPECIES	13	0
ISOPODA	IDOTEA RUFESCENS	5	0
	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	1	0
MOLLUSCA	GASTROPODA JUVENILE	7	0
	LACUNA CARINATA	5	0
NATANTIA	CRANGON DALLI	1	0
	HIPPOLYTE CLARKI	4	0
	NATANTIA ZOEA	63	0
POLYCHAETA	NEREIS SPECIES	3	0
	SPIONIDAE SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 8 DAY = 16 SAMPLE VOLUME = 15 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	29	10
	PUGETTIA RICHII	1	10
BRYOZOA	CYPHONAUTES LARVA	2	0
CALANOIDA	ACARTIA LONGIREMUS	15	10
	CALANUS GLACIALIS	5	0
	CENTROPHAGES ABDOMINALIS	2	0
	EURYTEMORA HIRUNDOIDES	11	10
	PSEUDOCALANUS MINUTUS	3	0

	SCOLOCITHRICELLA MINOR	1	0
	TORTANUS DISCAUDATUS	2	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	3	0
	CAPRELLA LEVIUSCULA	1	0
CIRRIPEDIA	BARNACLE NAUPLII	107	10
	CYPRIS LARVA	14	0
CLADOCERA	EVADNE NORMANI	175	10
	PODON POLYPHEMOIDES	189	10
CNIDARIA	CORYNE TUBULOSA	15	20
	RATHKEA OCTOPUNCTATA	1	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2	0
GAMMARIDEA	PONTOGENEIA INERMIS	1	0
HARPACTICOIDA	HARPACTICOID SPECIES	1	0
ISOPODA	IDOTEA UROTOMA	1	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	67	5
	LACUNA CARINATA	11	5
NATANTIA	HIPPOLYTE CLARKI	1	0
	NATANTIA ZOEA	4	0
POLYCHAETA	NEREIS SPECIES	1	0
	SPIONIDAE SPECIES	2	0
TROCHOPHORE	TROCOPHORE LARVA	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 8 DAY = 26 SAMPLE VOLUME = 57 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	4	0
	BRACHYURA ZOEA	576	40
CALANOIDA	ACARTIA LONGIREMUS	36	0
	CENTROPHAGES ABDOMINALIS	8	0
	EPILABIDOCERA AMPHITRITES	4	0
	PARACALANUS PARVIS	4	0
	TORTANUS DISCAUDATUS	8	0
CIRRIPEDIA	BARNACLE NAUPLII	144	0
	CYPRIS LARVA	24	0
CLADOCERA	EVADNE NORMANI	100	0
	PODON POLYPHEMOIDES	200	0
CNIDARIA	CORYNE TUBULOSA	96	30
	OBELIA LONGISSIMA	4	0
	RATHKEA OCTOPUNCTATA	4	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	124	30
HARPACTICOIDA	HARPACTICUS SPECIES	16	0
ISOPODA	IDOTEA GRACILLIMA	4	0
	IDOTEA UROTOMA	4	0
LARVACEA	OIKOPLEURA DIOICA	56	0
MOLLUSCA	GASTROPODA JUVENILE	24	0
	LACUNA CARINATA	4	0
	MELIBE LEONINA	4	0
NATANTIA	NATANTIA ZOEA	12	0
POLYCHAETA	SPIONIDAE SPECIES	4	0

LOCATION = NAIR YEAR = 1981 MONTH = 8 DAY = 26 SAMPLE VOLUME = 25 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	28	3
	BRACHYURA ZOEA	10	2
CALANOIDA	ACARTIA LONGIREMUS	194	15
	CALANUS GLACIALIS	2	0
	CALANUS PACIFICUS	6	1
	EPILABIDOCERA AMPHITRITES	42	5
	PSEUDOCALANUS MINUTUS	8	2
	SCOLOCITHRICELLA MINOR	10	2
	TORTANUS DISCAUDATUS	52	5
CAPRELLIDEA	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	SAGITTA SPECIES	4	0
CIRRIPEDIA	BARNACLE NAUPLII	10	0
	CYPRIS LARVA	10	0
CLADOCERA	EVADNE NORMANI	626	10
	PODON POLYPHEMOIDES	90	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	2	0
	CORYNE TUBULOSA	2	0
	RATHKEA OCTOPUNCTATA	8	0
GAMMARIDEA	PARAPLEUSTES PUGETTENSIS	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	30	0
	HARPACTICUS SPECIES	8	0
ISOPODA	IDOTEA RUFESCENS	10	0
LARVACEA	OIKOPLEURA DIOICA	136	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	22	10
	GASTROPODA JUVENILE	92	0
	LACUNA CARINATA	58	30
	MITRELLA CARINATA	6	10
NATANTIA	HIPPOLYTE CLARKI	4	2
	NATANTIA ZOEA	20	3
POLYCHAETA	NEREIS SPECIES	4	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 420 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ANOMURA	PAGURUS BERINGANUS	16	0
BRACHYURA	BRACHYURA ZOEA	64	0
CALANOIDA	EPILABIDOCERA AMPHITRITES	16	0
	METRIDIA PACIFICA	16	0
	MICROCALANUS PYGMAEUS	16	0
	PSEUDOCALANUS MINUTUS	80	0
	SCOLOCITHRICELLA MINOR	32	0
CHAETOGNATHA	SAGITTA SPECIES	16	0
CIRRIPEDIA	BARNACLE NAUPLII	32	0

	CYPRIS LARVA	96	0
CNIDARIA	BLACKFORDIA SPECIES	32	2
	CORYNE TUBULOSA	64	3
	EUPHYSA TENTACULATA	112	5
	OBELIA LONGISSIMA	16	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	1584	80
CUMACEAE	LAMPROPS QUADRIPLICATA	16	0
GAMMARIDEA	ALLORCHESTES ANGUSTUS	16	0
	CALLIOPIELLA PRATTI	32	0
	HYALE FREQUENS	48	0
	ISCHYROCERUS ANGUIPES	80	0
	PONTOGENEIA INERMIS	16	0
HARPACTICOIDA	HARPACTICOID SPECIES	176	0
	HARPACTICUS SPECIES	32	0
LARVACEA	OIKOPLEURA DIOICA	16	0
MOLLUSCA	GASTROPODA JUVENILE	80	0
	LACUNA CARINATA	32	0
NATANTIA	HIPPOLYTE CLARKI	272	10
	NATANTIA ZOEA	128	0
POLYCHAETA	AUTOLYTUS SPECIES	32	0
	NEREIS SPECIES	96	0
	SPIONIDAE SPECIES	32	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 1 SAMPLE VOLUME = 650 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA ZOEA	112	0
CALANOIDA	CALANUS GLACIALIS	16	0
	CENTROPHAGES ABDOMINALIS	16	0
	EPILABIDOCERA AMPHITRITES	16	0
	PSEUDOCALANUS MINUTUS	64	0
CIRRIPEDIA	CYPRIS LARVA	80	0
CNIDARIA	BLACKFORDIA SPECIES	224	10
	EUPHYSA TENTACULATA	240	10
	OBELIA LONGISSIMA	32	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	2400	80
CUMACEAE	DIASTYLOPSIS SPECIES	48	0
	LAMPROPS QUADRIPLICATA	64	0
GAMMARIDEA	CALLIOPIELLA PRATTI	16	0
LARVACEA	OIKOPLEURA DIOICA	16	0
NATANTIA	NATANTIA ZOEA	64	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 12 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
ACARI	ACARI SPECIES	1	0
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	195	10
CALANOIDA	ACARTIA LONGIREMUS	62	0
	CALANOID COPEDID	49	0
	CALANUS GLACIALIS	23	0
	CENTROPHAGES ABDOMINALIS	54	0
	EPILABIDOCERA AMPHITRITES	6	0
	MICROCALANUS PYGMAEUS	79	0
	PSEUDOCALANUS MINUTUS	538	50
	SCOLOCITHRICELLA MINOR	139	20
	TORTANUS DISCAUDATUS	33	0
CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	7	0
CIRRIPEDIA	BARNACLE NAUPLII	34	0
	CYPRIS LARVA	2	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	BLACKFORDIA SPECIES	14	0
	CORYNE TUBULOSA	81	10
	OBELIA LONGISSIMA	15	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	14	0
CYCLOPOIDA	ONCAEA BOREALIS	1	0
FISH	FISH EGGS	5	0
	FISH LARVAE	1	0
GAMMARIDEA	HYALE FREQUENS	1	0
	ISCHYROCERUS ANGUIPES	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	5	0
	HARPACTICUS SPECIES	2	0
ISOPODA	IDOTEA RUFESCENS	1	0
LARVACEA	OIKOPLEURA DIOICA	3	0
MOLLUSCA	GASTROPODA JUVENILE	25	0
	OCTOPUS LEIODERMA	1	0
NATANTIA	CRANGON SPECIES	2	0
	NATANTIA ZOEA	195	10
POLYCHAETA	SPIONIDAE SPECIES	1	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 2 SAMPLE VOLUME = 15 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	2	0
	BRACHYURA ZOEA	75	0
CALANOIDA	AETEDIUS ARMATUS	1	0
	CALANOID COPEDID	56	5
	CALANUS GLACIALIS	23	5

	CALANUS PACIFICUS	22	0
	CENTROPHAGES ABDOMINALIS	14	0
	EPILABIDOCERA AMPHITRITES	1	0
	PARACALANUS PARVIS	14	0
	PSEUDOCALANUS MINUTUS	136	10
	SCOLOCITHRICELLA MINOR	17	0
	TORTANUS DISCAUDATUS	15	0
CHAETOGNATHA	SAGITTA SPECIES	62	0
CIRRIPEDIA	BARNACLE NAUPLII	15	0
	CYPRIS LARVA	2	0
CNIDARIA	AGLANTHA DIGITALE	1	0
	BLACKFORDIA SPECIES	39	10
	CORYMORPHA AURATA	6	5
	CORYNE PRINCEPS	1	0
	CORYNE TUBULOSA	62	30
	OBELIA LONGISSIMA	39	10
	RATHKEA OCTOPUNCTATA	9	5
CTENOPHORA	PLEUROBRANCHIA BACHEI	34	20
GAMMARIDEA	ISCHYROCERUS ANGUIPES	5	0
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	GASTROPODA JUVENILE	18	0
	LACUNA CARINATA	1	0
NATANTIA	NATANTIA ZOEA	72	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 58 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	12	0
	BRACHYURA ZOEA	1132	30
CALANOIDA	ACARTIA LONGIREMUS	48	2
	CALANOID COPEDID	68	2
	CALANUS GLACIALIS	12	0
	CENTROPHAGES ABDOMINALIS	56	2
	EPILABIDOCERA AMPHITRITES	4	0
	MICROCALANUS PYGMAEUS	12	0
	PSEUDOCALANUS MINUTUS	60	2
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	64	2
CHAETOGNATHA	SAGITTA SPECIES	76	0
CIRRIPEDIA	BARNACLE NAUPLII	64	0
	CYPRIS LARVA	4	0
CLADOCERA	EVADNE NORMANI	4	0
	PODON POLYPHEMOIDES	160	0
CNIDARIA	BLACKFORDIA SPECIES	56	5
	CORYNE TUBULOSA	544	30
	EUPHYSA TENTACULATA	76	5
	OBELIA LONGISSIMA	268	10
CTENOPHORA	PLEUROBRANCHIA BACHEI	68	0
FISH	FISH EGGS	128	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
	HARPACTICUS SPECIES	36	0

	PORCELLIDIUM SARSI	4	0
HYPERIDEA	PARATHEMISTO SPECIES	4	0
ISOPODA	EUSYMMERUS SPECIES	4	0
LARVACEA	OIKOPLEURA DIOICA	28	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	4	0
	GASTROPODA JUVENILE	112	0
	MELIBE LEONINA	4	0
NATANTIA	NATANTIA ZOEA	424	10
POLYCHAETA	AUTOLYTUS SPECIES	4	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 3 SAMPLE VOLUME = 120 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	8	0
	BRACHYURA ZOEA	144	5
BRYOZOA	CYPHONAUTES LARVA	8	0
CALANOIDA	ACARTIA LONGIREMUS	96	0
	CALANOID COPEDID	8	0
	CENTROPHAGES ABDOMINALIS	8	0
	PSEUDOCALANUS MINUTUS	8	0
	TORTANUS DISCAUDATUS	24	0
CHAETOGNATHA	SAGITTA SPECIES	160	5
CIRRIPEDIA	BARNACLE NAUPLII	8	0
	CYPRIS LARVA	8	0
CLADOCERA	PODON POLYPHEMOIDES	96	0
CNIDARIA	BLACKFORDIA SPECIES	72	0
	CORYNE TUBULOSA	360	30
	EUPHYSA TENTACULATA	8	0
	OBELIA LONGISSIMA	608	60
CTENOPHORA	PLEUROBRANCHIA BACHEI	40	0
CUMACEAE	DIASTYLOPSIS SPECIES	8	0
FISH	FISH EGGS	128	0
HARPACTICOIDA	HARPACTICOID SPECIES	16	0
INSECTA	CHIRONIMIDAE ADULT	16	0
LARVACEA	OIKOPLEURA DIOICA	32	0
MOLLUSCA	GASTROPODA JUVENILE	56	0
	PELECYPODA JUVENILE	8	0
NATANTIA	NATANTIA ZOEA	136	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 41 ML
ON THE BOTTOM

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	352	30
CALANOIDA	ACARTIA LONGIREMUS	8	0
	AETEDIUS ARMATUS	2	0

	CALANOID COPEDID	2	0
	CALANUS GLACIALIS	10	0
	CENTROPHAGES ABDOMINALIS	10	0
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	106	10
	SCOLOCITHRICELLA MINOR	20	0
	TORTANUS DISCAUDATUS	8	0
CAPRELLIDEA	CAPRELLA LEVIUSCULA	2	0
CHAETOGNATHA	SAGITTA SPECIES	26	0
CIRRIPEDIA	BARNACLE NAUPLII	16	0
	CYPRIS LARVA	4	0
CLADOCERA	PODON POLYPHEMOIDES	2	0
CNIDARIA	AGLANTHA DIGITALE	2	0
	BLACKFORDIA SPECIES	98	10
	CORYNE TUBULOSA	216	40
	EUPHYSA SPECIES	16	0
	OBELIA LONGISSIMA	52	10
	RATHKEA OCTOPUNCTATA	4	0
	SOLMISSUS MARSHALLI	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	10	0
CUMACEAE	LAMPROPS QUADRIPLICATA	4	0
FISH	FISH EGGS	42	0
GAMMARIDEA	HYALE FREQUENS	10	0
	ISCHYROCERUS ANGUIPES	8	0
HARPACTICOIDA	HARPACTICOID SPECIES	12	0
	HARPACTICUS SPECIES	10	0
	PORCELLIDIUM SARSI	2	0
HYPERIDEA	PARATHEMISTO SPECIES	2	0
ISOPODA	GNATHIA SPECIES	2	0
LARVACEA	OIKOPLEURA DIOICA	6	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	16	0
	GASTROPODA JUVENILE	32	0
	PELECYPODA JUVENILE	2	0
NATANTIA	NATANTIA ZOEA	82	0
POLYCHAETA	AUTOLYTUS SPECIES	4	0
	SPIONIDAE SPECIES	2	0

LOCATION = NAIR YEAR = 1981 MONTH = 9 DAY = 4 SAMPLE VOLUME = 38 ML
AT THE SURFACE

TAXON	GENUS - SPECIES	NUMBER OF INDIVIDUALS	PERCENT VOLUME
BRACHYURA	BRACHYURA MEGALOPS	6	0
	BRACHYURA ZOEA	92	10
CALANOIDA	ACARTIA LONGIREMUS	52	0
	CALANOID COPEDID	12	0
	CALANUS GLACIALIS	86	0
	CENTROPHAGES ABDOMINALIS	18	0
	EPILABIDOCERA AMPHITRITES	2	0
	PSEUDOCALANUS MINUTUS	26	0
	SCOLOCITHRICELLA MINOR	4	0
	TORTANUS DISCAUDATUS	2	0
CALICOIDA	CALIGUS SPECIES	2	0

CAPRELLIDEA	CAPRELLA EQUILIBRIA	2	0
CHAETOGNATHA	SAGITTA SPECIES	136	10
CIRRIPEDIA	BARNACLE NAUPLII	10	0
	CYPRIS LARVA	6	0
CLADOCERA	EVADNE NORMANI	2	0
	PODON POLYPHEMOIDES	2	0
CNIDARIA	AGLANTHA DIGITALE	12	0
	BLACKFORDIA SPECIES	130	10
	CORYNE PRINCEPS	4	0
	CORYNE TUBULOSA	366	20
	OBELIA LONGISSIMA	300	10
	SOLMISSUS MARSHALLI	6	0
CTENOPHORA	PLEUROBRANCHIA BACHEI	20	10
FISH	FISH EGGS	308	20
GAMMARIDEA	ISCHYROCERUS ANGUIPES	2	0
HARPACTICOIDA	HARPACTICOID SPECIES	24	0
ISOPODA	PENTIDOTEA RESECTA	2	0
LARVACEA	OIKOPLEURA DIOICA	10	0
MOLLUSCA	EUBRANCHUS OLIVACEUS	6	0
	GASTROPODA JUVENILE	28	0
NATANTIA	NATANTIA ZOEA	120	10
POLYCHAETA	AUTOLYTUS SPECIES	2	0